



VIA ELECTRONIC MAIL

August 7, 2020

Mr. Alexander Wardle
Virginia Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, Virginia, 22193

**SUBJECT: SECOND QUARTER 2020 CAP MONITORING REPORT AND
REQUEST FOR NO FURTHER ACTION**
Inactive Fairfax Facility # 26140
9901 Georgetown Pike
Great Falls, Fairfax County, Virginia
PC# 2010-3028

Dear Mr. Wardle:

Kleinfelder, on behalf of Fairfax Petroleum Realty, LLC (Fairfax), is submitting the final Corrective Action Plan (CAP) Monitoring Report for the above-referenced facility (Site). Per DEQ requirements, two years of post-remediation groundwater monitoring have been completed. This report presents the post-remediation sampling results, attainment of the CAP endpoints, and requests for closure of PC # 2010-3028.

Fairfax Petroleum and Kleinfelder appreciate the continued guidance of the DEQ in the successful completion of this project. Please contact us at 410.850.0404 should you have questions or require additional information.

Sincerely,

KLEINFELDER

A handwritten signature in blue ink, appearing to read "Evan McMullen".

Evan McMullen
Geologist

A handwritten signature in blue ink, appearing to read "Mark C. Steele".

Mark C. Steele
Senior Program Manager

Attachment

cc: Mr. Monty Berhane – Fairfax Petroleum Realty, LLC
Ms. Sarah Nutt – Fairfax Petroleum Realty, LLC
Mr. Nathan Stevens – Kleinfelder, Inc.



**CAP MONITORING REPORT
INACTIVE FAIRFAX FACILITY # 26140
9901 GEORGETOWN PIKE
GREAT FALLS, FAIRFAX COUNTY, VIRGINIA**

REGULATORY INFORMATION

Regulatory Agency:	Virginia Department of Environmental Quality (DEQ)
Agency Contact:	Mr. Alexander Wardle
Pollution Complaint No.:	2010-3028
Current Case Status:	Post Remediation Groundwater Monitoring per DEQ Email dated August 8, 2018
Reporting Period:	April 1 through June 30, 2020
Last Report:	CAP Monitoring Report (CMR), April 28, 2020

GENERAL SITE INFORMATION

Fairfax Petroleum Realty Contact:	Mr. Monty Berhane
Consultant Contact:	Mr. Mark C. Steele
Facility Status:	The property has been redeveloped into a retail bank branch. The former station structures were removed in March 2016. The underground storage tank (UST) system was removed in August 2012.
Area Property Use:	See Local Area Map (Figure 1)
Site Well Network:	MW-1R through MW-3, MW-5, MW-6S, MW-6D, MW-7, MW-9 through MW-12D, MW-15 through MW-18D, MW-20D, MW-21I, MW-21S, MW-22, MW-23D, MW-24, MW-25D, MW-26D, W-1 through W-7, PW-1, and RW-1 (Figure 2 and Table 1)
Site Geology:	Schist saprolite grading to competent schist bedrock
Groundwater Flow Directions:	Southeast

ACTIVITIES COMPLETED THIS PERIOD

Monitoring, Bedrock, and CMT Well Gauging and Sampling

May 12 and 14, 2020

Groundwater gauging and sampling was conducted on the Site monitoring well network, including open bedrock wells and the CMT well (MW-17D) during the Second Quarter 2020 by Kleinfelder. Groundwater gauging of select monitoring wells located on the Great Falls Shopping Center property and at 9892 Georgetown Pike were conducted during the Second Quarter 2020 sampling event by the consultant for Motiva Enterprises, LLC (Motiva) for PC # 2003-3230. Gauging data which was used to generate potentiometric surface maps is included on **Table 2** and depicted on **Figures 3 and 4**. With the exception of the MW-17D, the sampled monitoring wells were purged using the low-flow parameter stabilization sampling methodology with a submersible electric pump and YSI multi-parameter water quality meter. Groundwater samples were submitted under chain of custody protocol to Eurofins Lancaster Laboratories (Lancaster) for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), ethyl tertiary butyl ether (ETBE), and di-isopropyl ether (DIPE) using EPA Method 8260B.

Summaries of groundwater analytical results are presented in **Table 3** and are included on **Figures 3 and 4**. The Lancaster Laboratories Analysis Report for the groundwater sampling event are included as **Appendix A**. A summary of the gauging and sampling is provided below.

Wells Gauged and Sampled:	MW-1R, MW-2, MW-7, MW-15, MW-16D(95), MW-17D, MW-23D, MW-24, MW-25D(90), PW-1(65), and RW-1
Wells Gauged Only:	MW-3, MW-5R, MW-6S, MW-6D, MW-9, MW- 10, MW-11, MW-12D, MW-18D, MW-26D, and SVE-2
Minimum/Maximum Depth to Water:	1.65 feet (MW-26D) / 38.64 feet (MW-18D)
Shallow Groundwater Flow Direction:	Southeast
Shallow Hydraulic Gradient:	0.018 ft/ft between MW-5R and MW-22
Deep Groundwater Flow Direction:	Southeast
Deep Hydraulic Gradient:	0.017 ft/ft between PW-1 and MW-20D

Groundwater samples were collected from on- and off-site monitoring wells in accordance with the monitoring schedule presented in the October 2, 2014 CAP Addendum (CAPA) as modified by the DEQ and communicated in the March 2, 2015 CAPA Approval letter. Off-site monitoring wells located on the Great Falls Shopping Center property and at 9289 Georgetown Pike were sampled by the consultant for Motiva on May 14, 2020 as part of PC# 2003-3230 associated with the former Shell station. Per the DEQ letter dated September 19, 2018 for PC# 2003-3230, Motiva was requested to complete four additional semi-annual sampling events of monitoring wells W-1, W-2, W-7, MW-20 series, MW-21 series, MW-22, and MW-27 series. Groundwater monitoring and analytical data for the shallow and deep monitoring wells is summarized in **Table 3**.

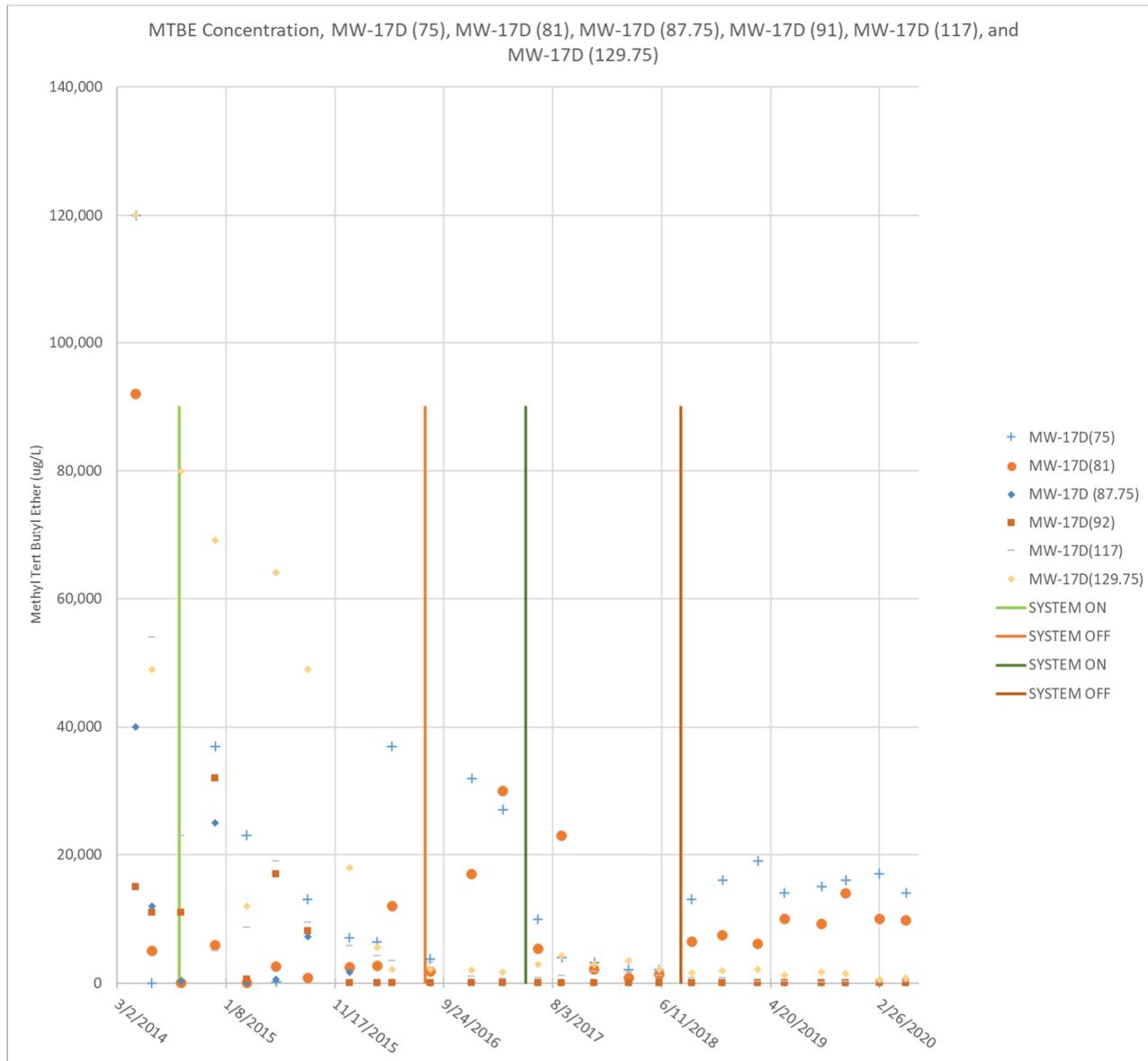
SECOND QUARTER 2020 REMEDIAL ACTIVITIES

The groundwater recovery system operated until August 10, 2018, when it was taken off-line with DEQ approval. In an email from the DEQ dated August 8, 2018, the DEQ indicated that shut down appeared warranted and post closure monitoring should continue for two years to continue to verify that CAP objectives continue to be met. The remediation system recovered and treated approximately 8,705,908 gallons of groundwater with an estimated MTBE mass recovery of approximately 346 pounds. The remediation system was removed from the Site in February 2019.

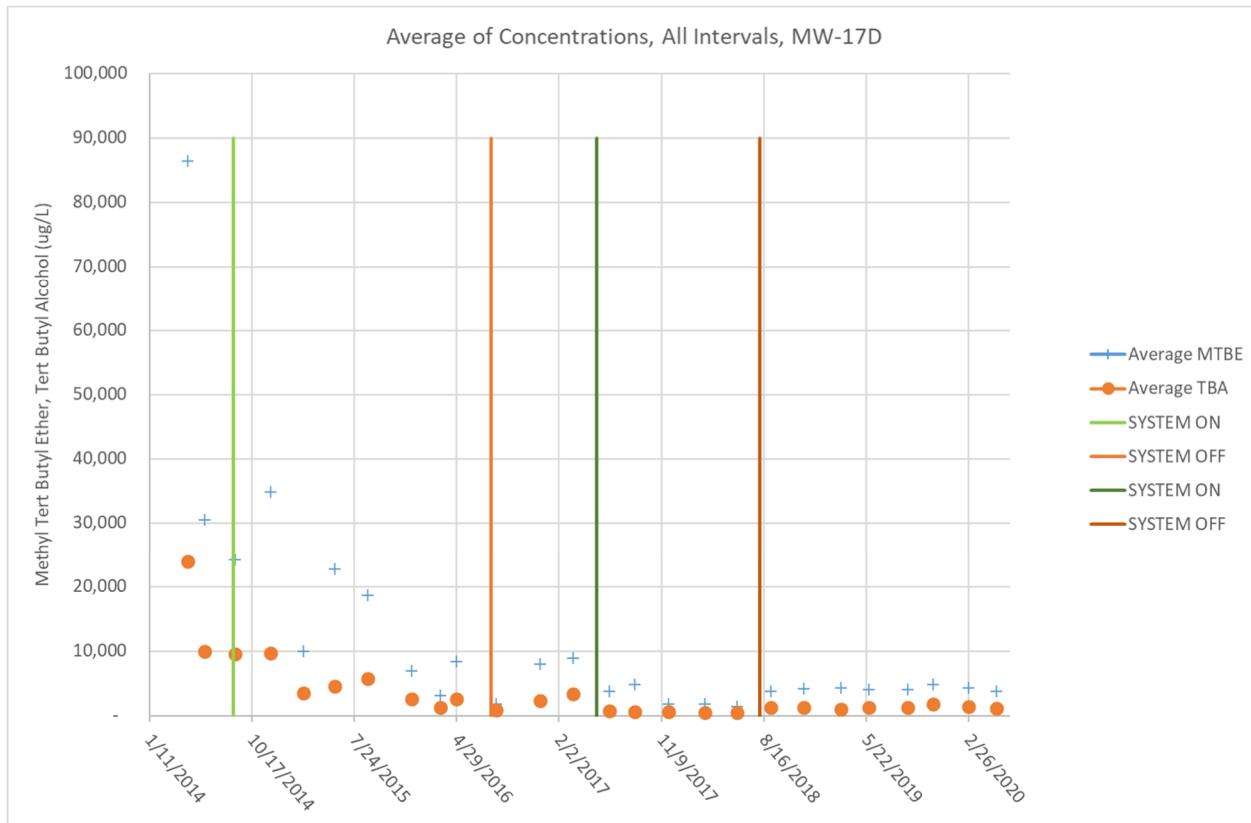
DATA ANALYSIS

During the Second Quarter 2020, the MTBE concentration in the overburden monitoring wells ranged from below laboratory detection limits to 4 micrograms per liter ($\mu\text{g/L}$) (MW-1R). The MTBE concentrations in the on-site deep wells ranged from below laboratory detection limits (MW-16D) to 470 $\mu\text{g/L}$ (RW-1). The MTBE concentrations in the off-site deep wells from which samples were collected were detected below laboratory detection limits. The CAP endpoint for monitoring well MW-23D is 343 $\mu\text{g/L}$ MTBE and this endpoint has been maintained since December 2014. As compared to the February 2020 sampling results, minor increases in MTBE concentrations were observed in MW-17D intervals 117 and 129.75.

The two intervals in MW-17D that exhibited minor increases in MTBE concentrations were from 170 µg/L to 280 µg/L in MW-17 (117) and from 640 µg/L to 870 µg/L in MW-17D (129.75). The MTBE concentrations in the remaining MW-17D intervals had decreased from the previous sampling event. Monitoring well MW-17D (75) has historically demonstrated greater variability than the other sample intervals at MW-17D. As presented below, MTBE concentrations remain below those observed when the system operation was suspended in August 2016.



Historically, the period prior to system operation, and following system operation suspension in August 2016, exhibited greater average (all sample intervals) MTBE and TBA concentrations, as shown below. The recent observed fluctuation in concentrations is on a consistent trend with these historical highs, and still reflect the fact that the mass of MTBE and TBA continues to attenuate. The fluctuation in MTBE concentrations observed in MW-17D has a negligible effect on the total calculated mass flux leaving the Site as presented in the Second Quarter 2018 CAP Monitoring Report.



The post-remediation dissolved concentrations of MTBE were evaluated for RW-1, MW-17D, and off-site monitoring wells using the Mann-Kendall statistical test, which provides an indication of whether a trend is positive, negative, stable, or if no trend exists. Monitoring wells with average post-remediation MTBE concentrations greater than 20 µg/L were evaluated. Results of the analysis were derived from the GSI Environmental Inc. (GSI) Mann-Kendall Toolkit included in **Appendix B** and are summarized in the table below.

MTBE Concentration Trend Analysis

Well ID	MTBE Concentration Range (Previous 8 Quarters)	Mann-Kendall Analysis	
		Trend Designation	Confidence Factor
On-Site Monitoring Wells			
RW-1	39 µg/L to 1,400 µg/L	Stable	64.0%
MW-17D (75)	13,000 µg/L to 19,000 µg/L	No Trend	64.0%
MW-17D (81)	6,100 µg/L to 14,000 µg/L	Probably Increasing	92.9%
MW-17D (87.75)	5 µg/L to 52 µg/L	Probably Decreasing	94.6%
MW-17D (117)	170 µg/L to 820 µg/L	Decreasing	96.9%
MW-17D (129.75)	640 µg/L to 2,200 µg/L	Probably Decreasing	94.6%
MW-17D (147)	1,200 µg/L to 4,400 µg/L	Decreasing	99.6%
Off-Site Monitoring Wells			
MW-20D (73-83)	ND(0.2) µg/L to 740 µg/L	Decreasing	99.9%
MW-21S	ND(0.08) µg/L to 1,400 µg/L	Decreasing	96.9%
MW-21I	ND(0.08) µg/L to 1,400 µg/L	Decreasing	98.4%
W-1	61 µg/L to 9,900 µg/L	Decreasing	98.4%
W-2	43 µg/L to 240 µg/L	Decreasing	96.9%

ND (1) = Not detected with laboratory reporting limit

Since post-remediation monitoring began, MTBE concentrations in RW-1 have exhibited a stable trend with an overall decreasing trend (-41 S Statistic) since the recovery well was installed in August 2014. Off-site monitoring wells, located across Walker Road and associated with PC #2003-3230, also exhibit decreasing MTBE trends over the past eight sampling events.

The shallow intervals of MW-17D, specifically MW-17D (75), has historically demonstrated greater variability than other sample intervals at MW-17D. The Mann-Kendall analysis indicates that the MTBE trends in the two shallow intervals of MW-17D are no trend and probably increasing whereas the MTBE trends in intervals below 87-feet are probably decreasing to decreasing. The average MTBE concentration across all intervals of MW-17D was also evaluated using the Mann-Kendall statistical test and indicates a decreasing trend.

MW-17D Intervals Combined Average MTBE Concentration Trend Analysis

Well ID	MTBE Concentration Range (2014-2020)	Mann-Kendall Analysis	
		Trend Designation	Confidence Factor
MW-17D	1,343 µg/L to 38,843 µg/L	Decreasing	99.8%

The average post-remediation MTBE concentrations in on-site overburden wells and all but two deep wells (RW-1 and MW-17D) are less than 20 µg/L indicating that the MTBE source has been removed through the remediation efforts. In wells where MTBE concentrations are >20 µg/L, the post-remediation monitoring has demonstrated with a reasonable degree of statistical certainty that MTBE concentrations on and off-site are decreasing and demonstrate continued degradation and reduction of MTBE.

MASS FLUX CALCULATION

Kleinfelder has prepared updated mass flux estimates for MTBE using Mass Flux Toolkit (version 2.0), as was done for the CAP Addendum submitted in October 2014. This update includes historical average, system startup, and Second Quarter 2020 mass flux estimates for Transects A-A', B-B', C-C', and D-D' (**Figure 5**). The model inputs and outputs are in **Appendix C**. The March 2, 2015 CAPA approval listed (3.) an endpoint of MTBE flux through Transect D-D' of less than 0.01 grams per day. As analytical results for MTBE in groundwater samples collected from Transect D-D' wells are non-detect, the estimated flux of MTBE through D-D' is estimated at less than 0.01 grams per day.

The CAPA approval letter also listed (4.) and endpoint of MTBE flux through Transect C-C' of less than 0.0049 grams per day. Since the approval, however, assessment and remediation activities at the Former Shell Station (9829 Georgetown Pike) where Transect C-C' is located have been assigned to Motiva under PC #2003-3230. The May 2020 groundwater sampling data for Transect C-C' was obtained from the Motiva consultant and incorporated into the mass flux calculation. The May 2020 analytical data for Transect C-C' supports an estimate that mass flux at that transect has decreased from approximately 1.26 grams per day to approximately 0.0134 grams per day (98.9% reduction). As the current estimated mass flux of MTBE through Transect C-C' is approximately 2.7 times greater than DEQ's proposed endpoint, Kleinfelder has estimated the maximum potential concentration this flux could produce at a downgradient potable well.

As documented in the CAPA, the nearest downgradient potable wells to Transect C-C' are approximately 1,090 feet southeast, at 9801, 9803, and 9807 Georgetown Pike. These potable wells are assumed to be installed in the overburden, rather than the bedrock, for the purpose of this estimate. It is assumed that each well is fully penetrating, and based on site information, that the overburden aquifer at the potable wells is 30 feet thick. Two estimates were made for this scenario, but in both cases the calculation made is the same, namely that the maximum concentration of MTBE in groundwater extracted from the hypothetical potable well is the total mass flux of MTBE to the well divided by the pumping rate. If the pumping rate is assumed to be 300 gallons per day (an average of 0.2 gallons per minute), then the maximum estimated MTBE concentration at the well is 11.8 µg/L. If instead an 'instantaneous' pumping rate of 20 gallons per minute is assumed, neglecting pressure, equalization, or water conditioning vessels, then the maximum estimated MTBE concentration is decreased to 0.123 µg/L.

As this estimate assumes that there is no additional degradation or attenuation of MTBE concentrations or flux over the 1,090 feet from Transect C-C' to these wells and that the wells are fully screen the saturated overburden, these estimates are viewed by Kleinfelder to be conservative. The DEQ Petroleum Program and Virginia Department of Health, Office of Water Programs have established trigger levels of 12 and 15 µg/L MTBE; respectively, and the maximum estimated concentrations are below these values. The results of this evaluation are consistent with the fate and transport modeling conducted by the Motiva consultant as a part of the 2018 SCR for PC# 2003-3230 that there is no potential for MTBE to significantly impact downgradient potable wells. Accordingly, it is our professional opinion that the current mass flux of MTBE at Transect C-C' is still protective of human health and the environment, and requests that DEQ regard this endpoint as met.

RECOMMENDATIONS

A groundwater recovery system operated at the Site from August 2014 through April 2018 and the system recovered and treated approximately 8,705,908 gallons of groundwater with an estimated MTBE mass recovery of approximately 346 pounds. Two years of post-remediation groundwater monitoring has been completed and the average post-remediation MTBE concentrations in on-site overburden wells and all but two deep wells (RW-1 and MW-17D) are less than 20 µg/L indicating that the MTBE source has been removed. In wells where MTBE concentrations are >20 µg/L, the post-remediation monitoring has demonstrated with a

reasonable degree of statistical certainty that MTBE concentrations on and off-site are decreasing and with no continuing source will continue to decrease with time. As presented, the CAP endpoints for monitoring well MW-23D (343 µg/L MTBE) and mass flux through Transects C-C' and D – D' have been attained. Kleinfelder, on behalf of Fairfax Petroleum Realty, requests No Further Action (NFA) for PC #2010-3028.

ACTIVITIES PLANNED FOR NEXT PERIOD (THIRD QUARTER 2020)

Post-remediation groundwater monitoring will be suspended for DEQ response to the request for NFA. Pending receipt of the NFA, the monitoring well network will be abandoned.

LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee, or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

Sincerely,

KLEINFELDER



Evan McMullen
Geologist



Mark C. Steele
Senior Program Manager



Nathan Stevens, P.G. (Maine)
Principal Hydrogeologist

FIGURES

- 1 Local Area Map
- 2 Site Plan
- 3 Hydrocarbon Distribution / Groundwater Contour Map – Shallow Wells
(May 12 and 14, 2020)
- 4 Hydrocarbon Distribution / Groundwater Contour Map – Deep Wells
(May 12 and 14, 2020)
- 5 Mass Flux Transect Locations

TABLES

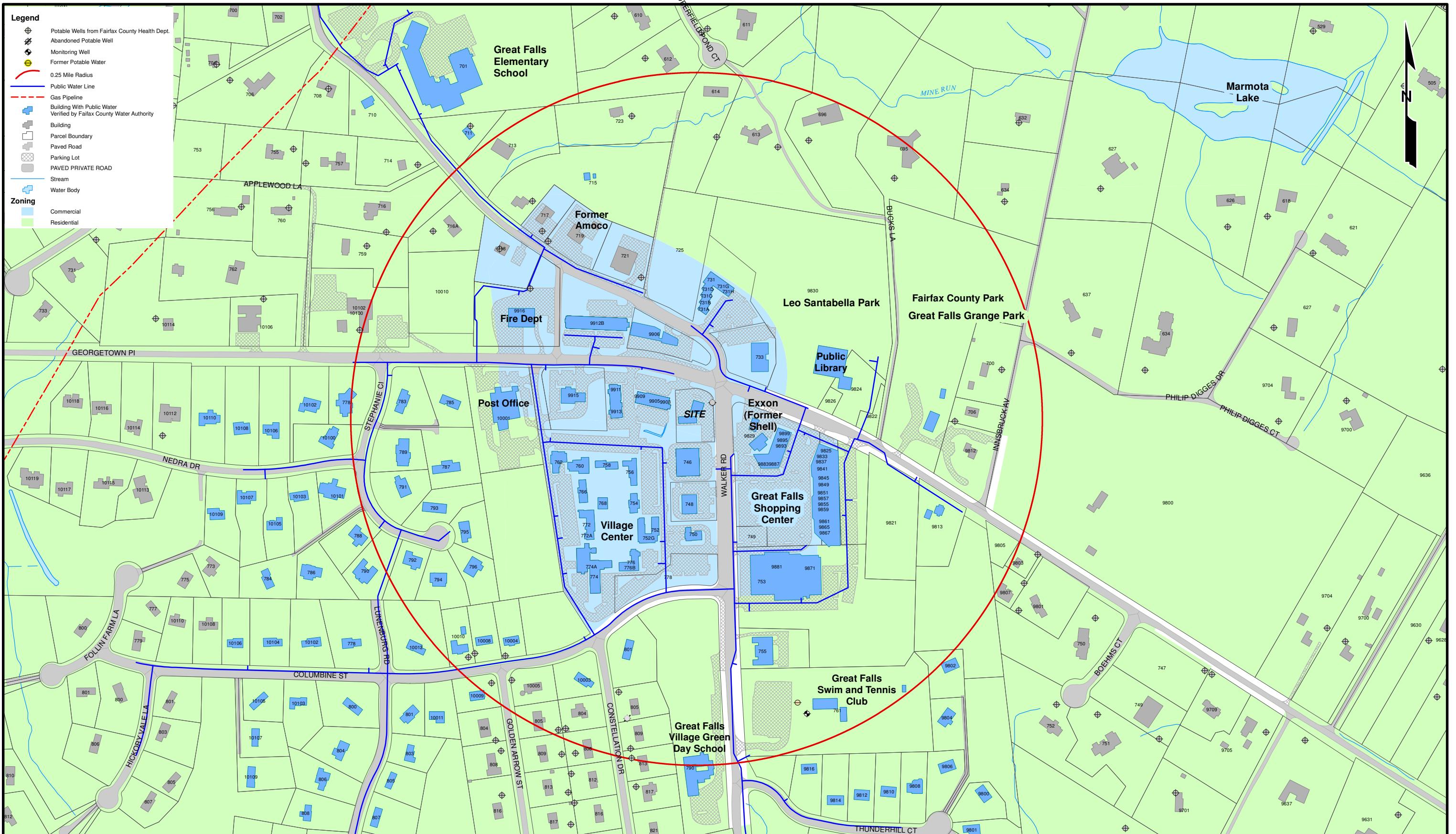
- 1 Monitoring Well Construction Data
- 2 Monitoring Well Gauging Data Summary (May 12 and 14, 2020)
- 3 Groundwater Monitoring & Analytical Data

APPENDICES

- A Lancaster Laboratories Analysis Reports – Groundwater (May 12 and 14, 2020)
- B GSI Mann-Kendall ToolKit
- C Mass Flux Analysis

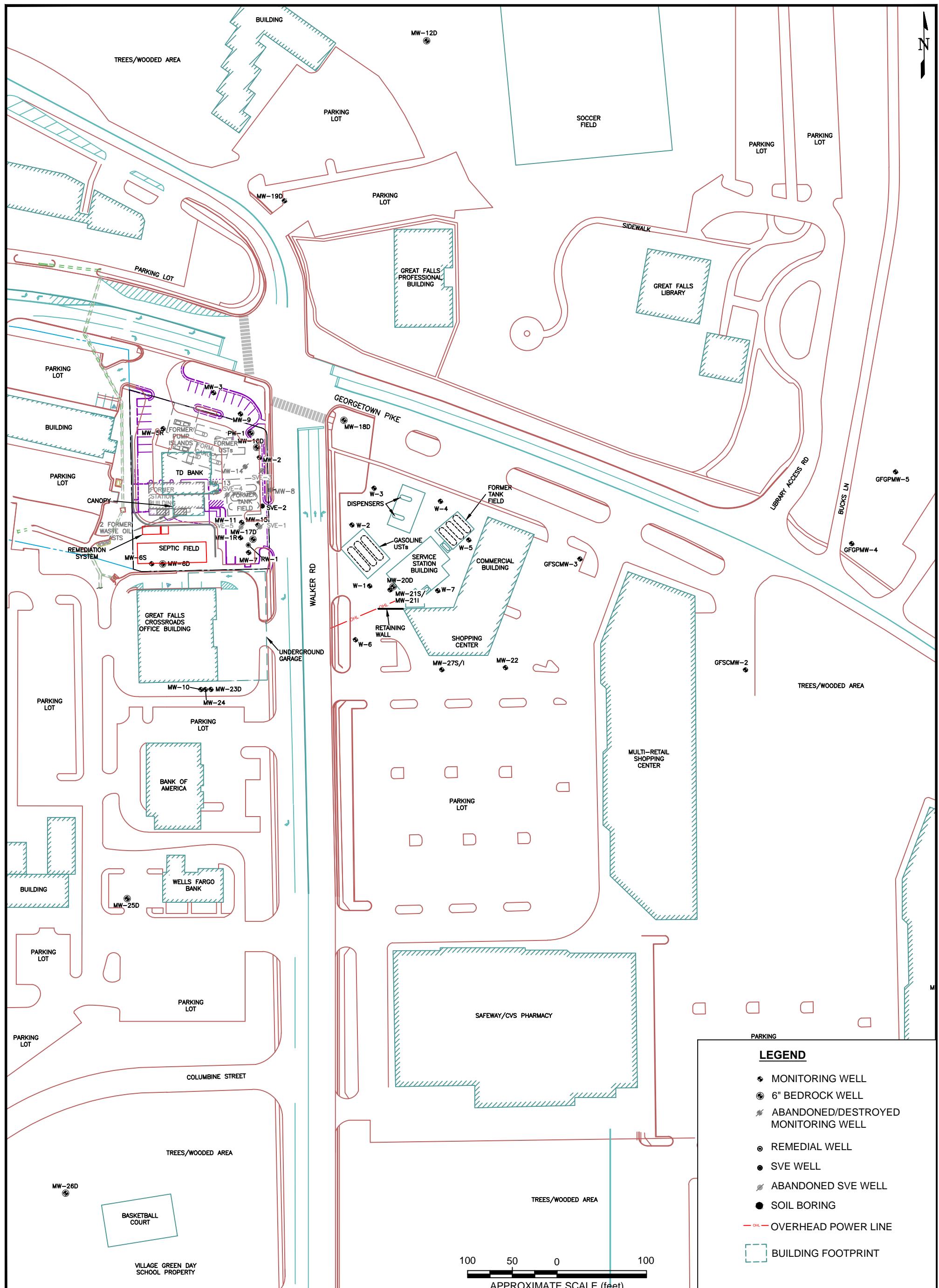


FIGURES



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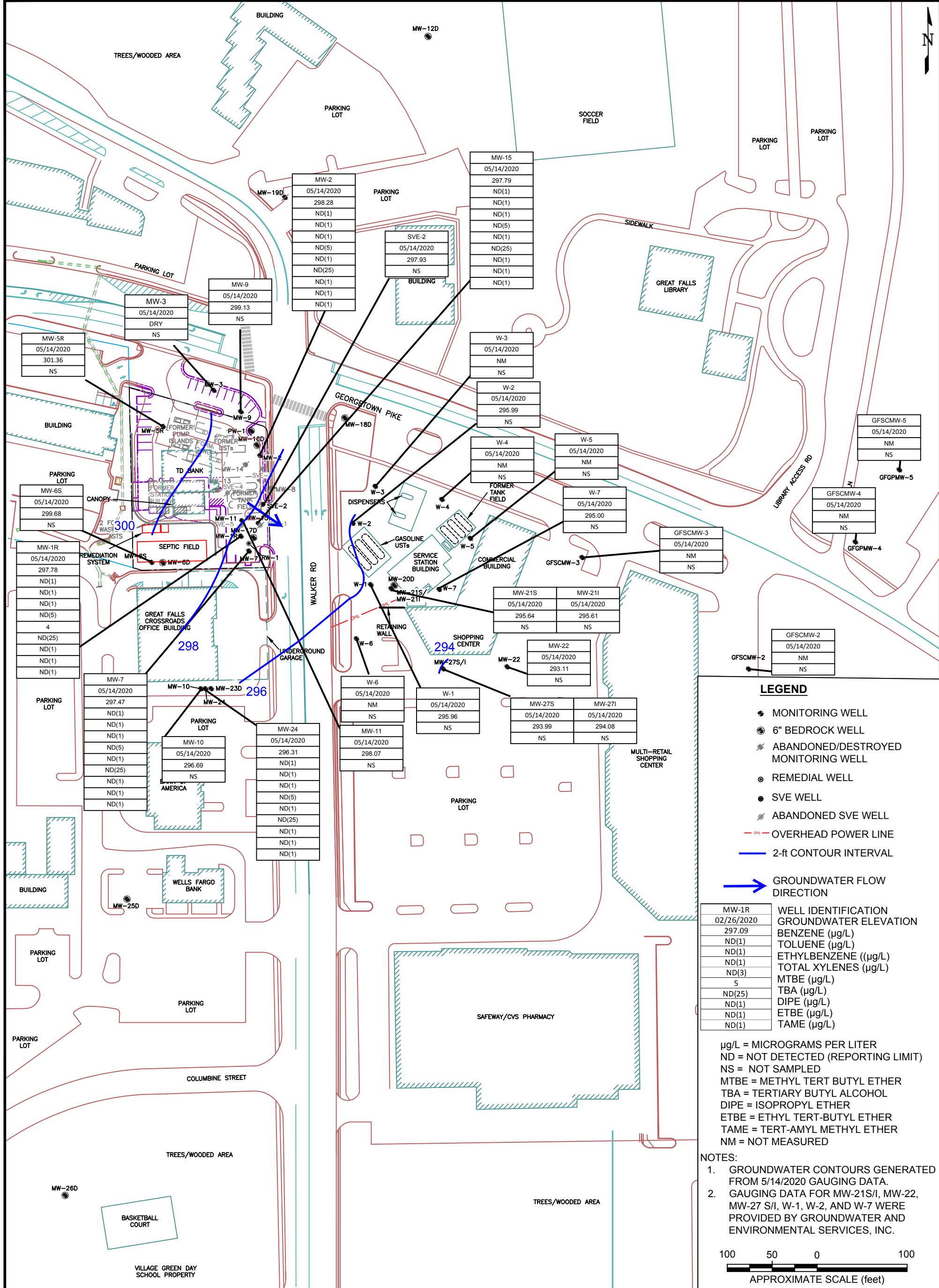
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SITE PLAN

INACTIVE FAIRFAX FACILITY #26140
9901 GEORGETOWN PIKE
GREAT FALLS, VIRGINIA

FIGURE

2



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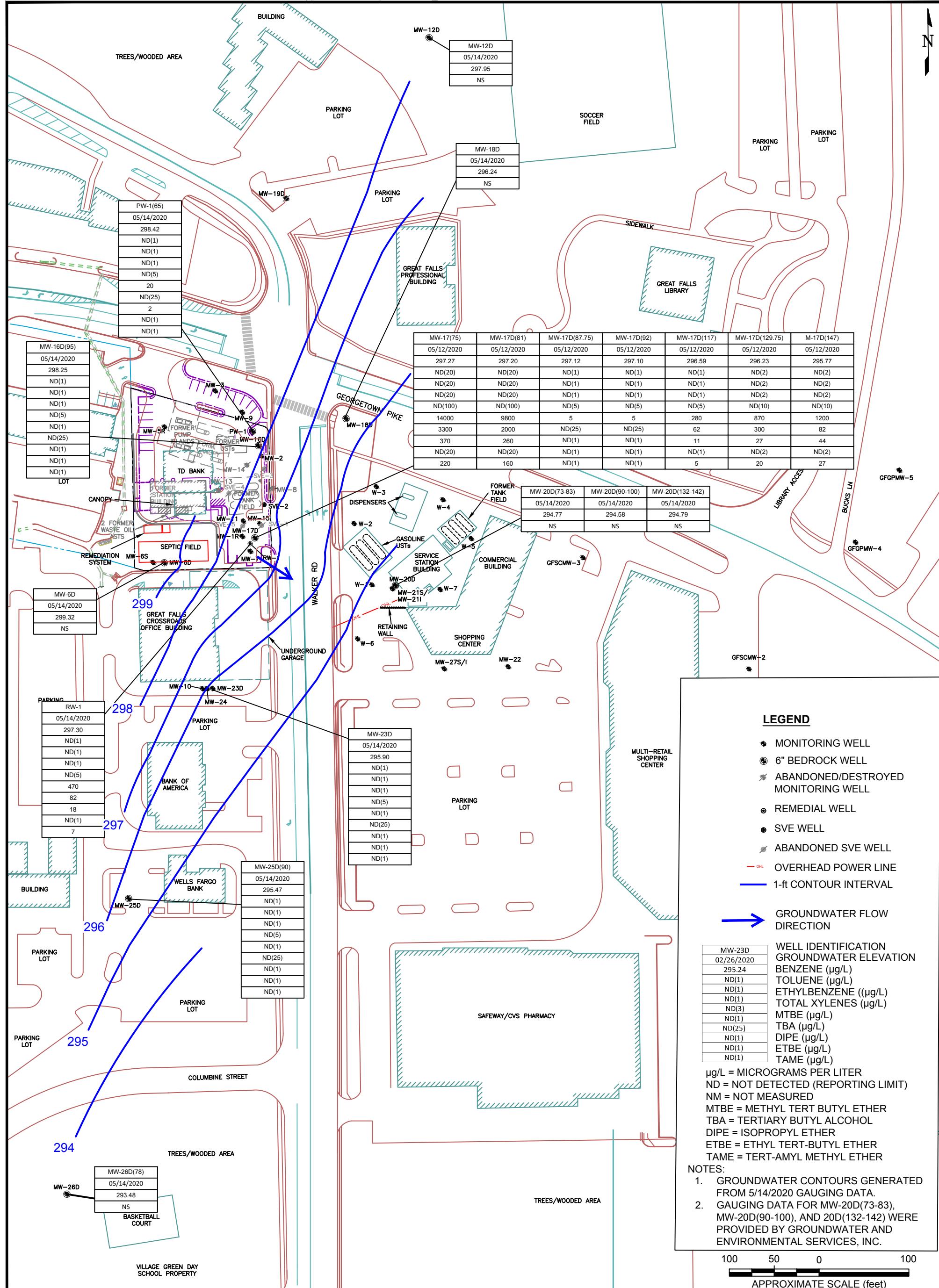
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**SHALLOW MONITORING WELL
GROUNDWATER CONTOUR /
HYDROCARBON DISTRIBUTION MAP
MAY 12 AND 14, 2020**

**INACTIVE FAIRFAX FACILITY #26140
9901 GEORGETOWN PIKE
GREAT FALLS, VIRGINIA**

FIGURE

3



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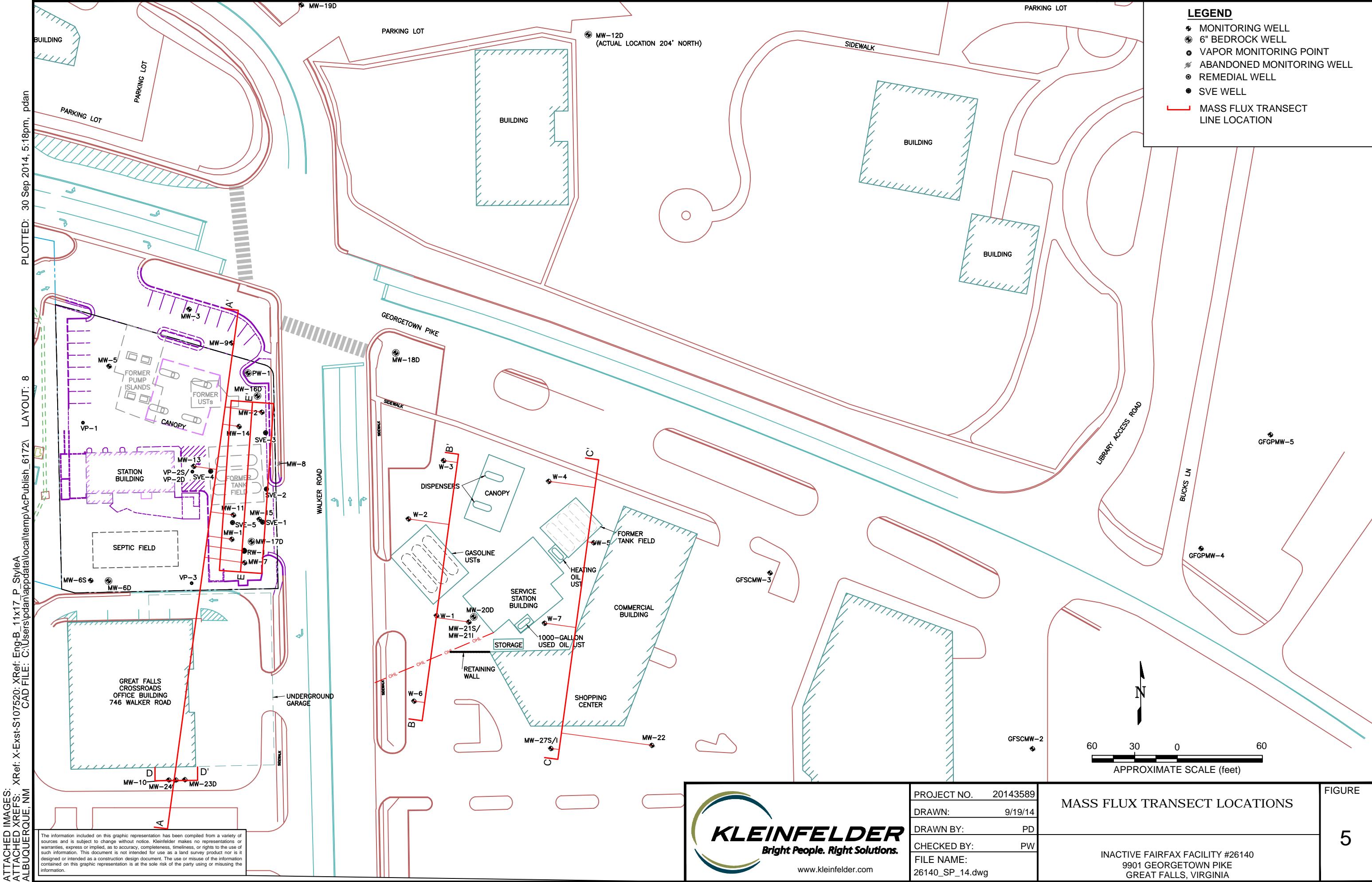


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DEEP MONITORING WELL GROUNDWATER CONTOUR / HYDROCARBON DISTRIBUTION MAP MAY 12 AND 14, 2020

INACTIVE FAIRFAX FACILITY #26140
9901 GEORGETOWN PIKE
GREAT FALLS, VIRGINIA

FIGURE
4



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TABLES

TABLE 1
Monitoring Well Construction Details

Inactive Fairfax Facility #26140
9901 Georgetown Pike
Great Falls, Virginia

Monitoring Well	Installation Date	Well Type	Well Diameter (inch)	Top of Casing Elevation (feet)	Riser / Casing Length (feet)	Screen Length / Open Interval (feet)	Total Borehole Depth (feet below grade)	Screen / Open Interval (feet below grade)	Comments
MW-1	7/20/2009	Monitoring	2	328.99	20	17	37	20-37	
MW-1R	2/14/2017	Monitoring	2	329.16	30	15	45	30-45	Replacement well for MW-1
MW-2	7/21/2009	Monitoring	2	332.05	25	15	42	25-40	
MW-3	7/22/2009	Monitoring	2	335.66	26.5	10	37	26.5-36.5	Ground surface elevation raised approximately 1.5 feet during TD Bank development
MW-5	7/22/2009	Monitoring	2	332.35	30	10	42	30-40	
MW-5R	2/14/2017	Monitoring	2	332.24	25	15	40	25-40	Replacement well for MW-5
MW-6S	9/11/2009	Monitoring	4	321.85	20	15	35	20-35	
MW-6D	9/11/2009	Deep Monitoring	6	323.09	70	50	120	70-120	Open borehole after 70 feet
MW-7	10/16/2009	Monitoring	2	328.75	15	25	40	15-40	
MW-8	10/8/2009	Monitoring	2	330.54	25	20	45	25-45	Abandoned 9/19/2013
MW-9	10/9/2009	Monitoring	2	333.88	25	20	45	25-45	
MW-10	10/12/2009	Monitoring	2	324.17	10	30	40	10-40	
MW-11	10/14/2009	Monitoring	2	329.73	10	30	40	10-40	
MW-12D	1/11/2011	Deep Monitoring	6	326.43	100	60	160	100-160	Open borehole after 100 feet
MW-13	8/18/2011	Monitoring	4	332.00	25	20	45	25-45	Abandoned 10/19/2016
MW-14	8/18/2011	Monitoring	4	331.81	25	20	45	25-45	Destroyed during TD Bank construction
MW-15	8/18/2011	Monitoring	4	329.11	25	20	45	25-45	
MW-16D	11/22/2011	Monitoring	6	332.27	85	25	110	85-110	Open borehole after 85 feet.

TABLE 1
Monitoring Well Construction Details

Inactive Fairfax Facility #26140
9901 Georgetown Pike
Great Falls, Virginia

Monitoring Well	Installation Date	Well Type	Well Diameter (inch)	Top of Casing Elevation (feet)	Riser / Casing Length (feet)	Screen Length / Open Interval (feet)	Total Borehole Depth (feet below grade)	Screen / Open Interval (feet below grade)	Comments
MW-17D	4/9/2013	Deep Monitoring	6	328.99	68	82	150	68-150	Converted to CMT on 4/9/2014.
MW-17D (CMT-1)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	71	6	150	71-77	The Continuous Multichannel Tubing (CMT) screens are approximately six inches in length. The Screen Length / Open Interval and Screen / Open Interval columns refer to the sand pack installed in the borehole annulus surrounding the CMT port.
MW-17D (CMT-2)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	79	4	150	79-83	
MW-17D (CMT-3)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	86	4	150	86-90	
MW-17D (CMT-4)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	91	2	150	91-93	
MW-17D (CMT-5)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	114	6	150	114-120	
MW-17D (CMT-6)	4/9/2014	Discrete Interval Monitoring	0.4	328.99	126	6	150	126-132	
MW-17D (CMT-7)	4/9/2014	Discrete Interval Monitoring	0.38	328.99	146	4	150	146-150	
MW-18D	11/22/2011	Deep Monitoring	6	334.88	97	58	136	92-150	Open borehole after 92 feet. Borehole blocked by rock at 101 feet during testing on 4/30/13.
MW-19D	3/8/2014	Deep Monitoring	2	341.91	80	20	100	80-100	Abandoned 5/31/2019
MW-20D	4/7/2014	Deep Monitoring	6	329.80	70	72	142	70-142	Open borehole after 70 feet.
MW-20D	4/7/2014	Deep Monitoring	1	329.57	73	73	83	70-142	MW-20D was converted to three discrete monitoring intervals on 8/20/2014
MW-20D	4/7/2014	Deep Monitoring	1	329.58	90	90	100	70-142	
MW-20D	4/7/2014	Deep Monitoring	1	329.56	132	132	142	70-142	
MW-21I	4/1/2014	Monitoring	2	329.71	56	10	66	56-66	Part of a nested well pair including MW-21S
MW-21S	4/1/2014	Monitoring	2	329.69	26	20	46	26-46	Part of a nested well pair including MW-21I

TABLE 1
Monitoring Well Construction Details

Inactive Fairfax Facility #26140
9901 Georgetown Pike
Great Falls, Virginia

Monitoring Well	Installation Date	Well Type	Well Diameter (inch)	Top of Casing Elevation (feet)	Riser / Casing Length (feet)	Screen Length / Open Interval (feet)	Total Borehole Depth (feet below grade)	Screen / Open Interval (feet below grade)	Comments
MW-22	4/3/2014	Monitoring	2	320.97	20	20	40	20-40	
MW-23D	5/1/2014	Deep Monitoring	2	324.81	90	10	100	90-100	
MW-24	4/3/2014	Monitoring	2	324.49	50	10	60	50-60	
MW-25D	8/17/2014	Deep Monitoring	6	317.18	65	36	101	65-101	Open borehole after 65 feet.
MW-26D	8/21/2014	Deep Monitoring	6	295.13	57	47	104	57-104	Open borehole after 57 feet.
MW-27I	8/21/2014	Monitoring	2	323.35	55	10	65	55-65	Part of a nested well pair including MW-27S
MW-27S	8/21/2014	Monitoring	2	323.40	20	20	40	20-40	Part of a nested well pair including MW-27I
PW-1	Unknown	Deep Monitoring	6	333.25	55	20	75	55 - 75	Former potable well. Partially abandoned in November 2011. Original well depth was approximately 116 feet.
RW-1	3/13/2014	Recovery	6	328.52	21	70	91	21-91	Total drilled depth was 100 feet; borehole collapsed to 91 feet during the installation of screen and casing.
SVE-1	2/17/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016
SVE-2	2/18/2014	Soil Vapor Extraction	4	331.12	25	20	45	25-45	Designed to serve as a SVE well and monitoring well to replace the abandoned MW-8
SVE-3	2/19/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016
SVE-4	2/19/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016
SVE-5	2/18/2014	Soil Vapor Extraction	4	NSVD	15	20	35	15-35	Abandoned 10/19/2016

Notes:

NSVD - Not Surveyed to Vertical Datum
CMT - Continuous Multichannel Tubing

Table 2
Monitoring Well Gauging Data Summary

Inactive Fairfax Facility #26140
9901 Georgetown Pike
Great Falls, Virginia
May 12, 2020 through May 14, 2020

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Correction Factor (feet)	Corrected GW Elevation (feet)	Comments
MW-1R	5/14/2020	329.16	31.38	ND	ND	N/A	297.78	
MW-2	5/14/2020	332.05	33.77	ND	ND	N/A	298.28	
MW-3	5/14/2020	335.66	DRY	DRY	DRY	N/A	DRY	Dry
MW-5R	5/14/2020	332.24	30.88	ND	ND	N/A	301.36	
MW-6S	5/14/2020	321.85	22.17	ND	ND	N/A	299.68	
MW-6D(85)	5/14/2020	323.09	23.77	ND	ND	N/A	299.32	
MW-7	5/14/2020	328.75	31.28	ND	ND	N/A	297.47	
SVE-2	5/14/2020	331.12	33.19	ND	ND	N/A	297.93	
MW-9	5/14/2020	333.88	34.75	ND	ND	N/A	299.13	
MW-10	5/14/2020	324.17	27.48	ND	ND	N/A	296.69	
MW-11	5/14/2020	329.73	31.66	ND	ND	N/A	298.07	
MW-12D(110)	5/14/2020	326.43	28.48	ND	ND	N/A	297.95	
MW-15	5/14/2020	329.11	31.32	ND	ND	N/A	297.79	
MW-16D(95)	5/14/2020	332.27	34.02	ND	ND	N/A	298.25	
MW-17D(75)	5/12/2020	328.99	31.72	ND	ND	N/A	297.27	
MW-17D(81)	5/12/2020	328.99	31.79	ND	ND	N/A	297.20	
MW-17D(87.75)	5/12/2020	328.99	31.87	ND	ND	N/A	297.12	
MW-17D(92)	5/12/2020	328.99	31.89	ND	ND	N/A	297.10	
MW-17D(117)	5/12/2020	328.99	32.40	ND	ND	N/A	296.59	
MW-17D(129.75)	5/12/2020	328.99	32.76	ND	ND	N/A	296.23	
MW-17D(147)	5/12/2020	328.99	33.22	ND	ND	N/A	295.77	
MW-18D	5/14/2020	334.88	38.64	ND	ND	N/A	296.24	
MW-20D(73-83)	5/14/2020	329.57	34.80	ND	ND	N/A	294.77	
MW-20D(90-100)	5/14/2020	329.58	35.00	ND	ND	N/A	294.58	
MW-20D(132-142)	5/14/2020	329.56	34.77	ND	ND	N/A	294.79	
MW-21S	5/14/2020	329.69	34.05	ND	ND	N/A	295.64	
MW-21I	5/14/2020	329.71	34.10	ND	ND	N/A	295.61	
MW-22	5/14/2020	320.97	27.86	ND	ND	N/A	293.11	
MW-23D	5/14/2020	324.81	28.91	ND	ND	N/A	295.90	
MW-24	5/14/2020	324.49	28.18	ND	ND	N/A	296.31	
MW-25D(90)	5/14/2020	317.18	21.71	ND	ND	N/A	295.47	
MW-26D(78)	5/14/2020	295.13	1.65	ND	ND	N/A	293.48	
MW-27S	5/14/2020	323.40	29.41	ND	ND	N/A	293.99	
MW-27I	5/14/2020	323.35	29.27	ND	ND	N/A	294.08	
PW-1(65)	5/14/2020	333.25	34.83	ND	ND	N/A	298.42	
RW-1	5/14/2020	328.52	31.22	ND	ND	N/A	297.30	
W-1	5/14/2020	328.53	32.57	ND	ND	N/A	295.96	
W-2	5/14/2020	329.47	33.48	ND	ND	N/A	295.99	
W-3	5/14/2020	330.14	NM	NM	NM	N/A	NM	Not Measured
W-4	5/14/2020	327.67	NM	NM	NM	N/A	NM	Not Measured

Table 2 (Continued)**Monitoring Well Gauging Data Summary**

Inactive Fairfax Facility #26140
 9901 Georgetown Pike
 Great Falls, Virginia
 May 12, 2020 through May 14, 2020

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Correction Factor (feet)	Corrected GW Elevation (feet)	Comments
W-5	5/14/2020	327.81	NM	NM	NM	N/A	NM	Not Measured
W-6	5/14/2020	325.21	NM	NM	NM	N/A	NM	Not Measured
W-7	5/14/2020	329.77	34.77	ND	ND	N/A	295.00	
GFSCMW-2	5/14/2020	316.79	NM	NM	NM	N/A	NM	Not Measured
GFSCMW-3	5/14/2020	319.78	NM	NM	NM	N/A	NM	Not Measured
GFGPMW-4	5/14/2020	310.10	NM	NM	NM	N/A	NM	Not Measured
GFGPMW-5	5/14/2020	310.72	NM	NM	NM	N/A	NM	Not Measured

Notes:

GW - Groundwater

ND - Not detected

NM - Not monitored

NSVD - Not surveyed to vertical datum

Table 3**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-1R	7/24/2009	328.99	30.45	ND	ND	298.54	13.3	<1.0	0.53	24	193000	NA	NA	NA	NA	
	8/18/2009	328.99	NM	NM	NM	NM	ND(200)	ND(200)	ND(200)	ND(200)	138000	NA	NA	NA	NA	
	10/15/2009	328.99	31.88	ND	ND	297.11	ND(200)	ND(200)	ND(200)	ND(200)	139000	47000	4070	ND(1000)	2130	
	6/22/2010	328.99	28.65	ND	ND	300.34	ND(5)	ND(7)	ND(8)	ND(8)	13000	NA	NA	NA	NA	
	9/30/2010	328.99	31.11	ND	ND	297.88	ND(50)	ND(70)	ND(80)	110	240000	NA	NA	NA	NA	
	12/16/2010	328.99	30.93	ND	ND	298.06	ND(100)	ND(140)	ND(160)	ND(160)	220000	NA	NA	NA	NA	
	2/17/2011	328.99	31.46	ND	ND	297.53	ND(250)	ND(350)	ND(400)	ND(400)	190000	NA	NA	NA	NA	
	5/24/2011	328.99	30.24	ND	ND	298.75	ND(50)	ND(70)	ND(80)	ND(80)	140000	NA	NA	NA	NA	
	9/2/2011	328.99	32.92	ND	ND	296.07	ND(50)	ND(70)	ND(80)	ND(80)	160000	NA	NA	NA	NA	
	12/29/2011	328.99	30.99	ND	ND	298.00	ND(50)	ND(70)	ND(80)	ND(80)	160000	NA	NA	NA	NA	
	6/1/2012	328.99	31.47	ND	ND	297.52	ND(50)	ND(70)	ND(80)	ND(80)	140000	NA	NA	NA	NA	
	2/25/2013	328.99	32.84	ND	ND	296.15	ND(250)	ND(250)	ND(250)	ND(250)	120000	15000	3700	ND(250)	1700	
	6/6/2013	328.99	32.14	ND	ND	296.85	ND(50)	ND(70)	ND(80)	ND(80)	150000	NA	NA	NA	NA	
	12/19/2013	328.99	33.06	ND	ND	295.93	ND(250)	ND(250)	ND(250)	ND(250)	84000	6900	2200	ND(250)	1100	
	3/25/2014	328.99	31.04	ND	ND	297.95	ND(500)	ND(500)	ND(500)	ND(500)	71000	ND(8000)	1200	ND(500)	850	
	6/20/2014	328.99	29.43	ND	ND	299.56	ND(20)	ND(20)	ND(20)	ND(20)	20000	ND(400)	490	ND(20)	210	
	9/8/2014	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/3/2016	328.99	32.45	ND	ND	296.54	ND(1)	ND(1)	ND(1)	ND(1)	48	ND(20)	12	ND(1)	ND(1)	
	8/16/2016	328.99	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	329.16	34.69	ND	ND	294.47	ND(1)	ND(1)	ND(1)	ND(1)	40	ND(20)	18	ND(1)	ND(1)	
	6/22/2017	329.16	37.01	ND	ND	292.15	ND(1)	ND(1)	ND(1)	ND(1)	19	ND(20)	9	ND(1)	ND(1)	
	9/1/2017	329.16	38.68	ND	ND	290.48	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	4	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-1R	11/30/2017	329.16	38.95	ND	ND	290.21	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	2	ND(1)	ND(1)
	3/8/2018	329.16	38.11	ND	ND	291.05	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	1	ND(1)	ND(1)
	6/4/2018	329.16	36.17	ND	ND	292.99	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	2	ND(1)	ND(1)
	9/6/2018	329.16	31.65	ND	ND	297.51	ND(1)	ND(1)	ND(1)	ND(5)	25	ND(25)	4	ND(1)	ND(1)
	12/3/2018	329.16	30.23	ND	ND	298.93	ND(1)	ND(1)	ND(1)	ND(5)	15	ND(25)	2	ND(1)	ND(1)
	3/14/2019	329.16	28.22	ND	ND	300.94	ND(1)	ND(1)	ND(1)	ND(5)	18	ND(25)	1	ND(1)	ND(1)
	5/31/2019	329.16	28.44	ND	ND	300.72	ND(1)	ND(1)	ND(1)	ND(5)	10	ND(25)	ND(1)	ND(1)	ND(1)
	9/17/2019	329.16	31.32	ND	ND	297.84	ND(1)	ND(1)	ND(1)	ND(3)	9	ND(25)	ND(1)	ND(1)	ND(1)
	11/21/2019	329.16	32.53	ND	ND	296.63	ND(1)	ND(1)	ND(1)	ND(3)	8	ND(25)	ND(1)	ND(1)	ND(1)
	2/26/2020	329.16	32.07	ND	ND	297.09	ND(1)	ND(1)	ND(1)	ND(3)	5	ND(25)	ND(1)	ND(1)	ND(1)
Mann-Kendall Statistic							0	0	0	0	-28	0	-66	0	0

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-2	7/24/2009	102.90	33.19	ND	ND	69.71	70.2	8.0	1.0	131	107000	NA	NA	NA	NA	Screened from 25-40'
	8/18/2009	332.05	NM	NM	NM	NM	ND(100)	ND(100)	ND(100)	ND(100)	87100	NA	NA	NA	NA	
	10/15/2009	332.05	34.41	ND	ND	297.64	ND(200)	ND(200)	ND(200)	ND(200)	122000	ND(5000)	6130	ND(1000)	2420	
	7/1/2010	332.05	31.63	ND	ND	300.42	ND(100)	91.3	ND(100)	ND(100)	52400	NA	NA	NA	NA	
	9/30/2010	332.05	32.96	ND	ND	299.09	ND(25)	ND(35)	ND(40)	ND(40)	37000	NA	NA	NA	NA	
	12/16/2010	332.05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	2/17/2011	332.05	34.15	ND	ND	297.90	ND(100)	ND(140)	ND(160)	ND(160)	140000	NA	NA	NA	NA	
	5/24/2011	332.05	32.92	ND	ND	299.13	ND(25)	ND(35)	ND(40)	ND(40)	54000	NA	NA	NA	NA	
	9/2/2011	332.05	35.53	ND	ND	296.52	ND(50)	ND(70)	ND(80)	ND(80)	160000	NA	NA	NA	NA	
	12/29/2011	332.05	33.64	ND	ND	298.41	ND(25)	ND(35)	ND(40)	ND(40)	49000	NA	NA	NA	NA	
	6/1/2012	332.05	34.16	ND	ND	297.89	ND(50)	ND(70)	ND(80)	ND(80)	100000	NA	NA	NA	NA	
	2/25/2013	332.05	35.47	ND	ND	296.58	ND(250)	ND(250)	ND(250)	ND(250)	71000	4600	1900	ND(250)	1100	
	6/6/2013	332.05	34.91	ND	ND	297.14	ND(3)	ND(4)	ND(4)	ND(4)	3500	NA	NA	NA	NA	
	12/19/2013	332.05	35.50	ND	ND	296.55	ND(130)	ND(130)	ND(130)	ND(130)	19000	6800	710	ND(130)	280	
	3/25/2014	332.05	33.30	ND	ND	298.75	ND(50)	ND(50)	ND(50)	ND(50)	7500	2500	310	ND(50)	110	
	6/20/2014	332.05	31.27	ND	ND	300.78	ND(1)	ND(1)	ND(1)	ND(1)	450	ND(20)	29	ND(1)	7	
	9/10/2014	332.05	33.74	ND	ND	298.31	ND(1)	ND(1)	ND(1)	ND(1)	860	ND(20)	38	ND(1)	15	
	12/9/2014	332.05	40.02	ND	ND	292.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	3/12/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/3/2016	332.05	34.70	ND	ND	297.35	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	8/16/2016	332.05	37.09	ND	ND	294.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/13/2016	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	332.05	36.95	ND	ND	295.10	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	332.05	37.66	ND	ND	294.39	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-2	8/28/2017	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	332.05	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	332.05	37.88	ND	ND	294.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	9/6/2018	332.05	33.89	ND	ND	298.16	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	332.05	31.75	ND	ND	300.30	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	332.05	30.35	ND	ND	301.70	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	332.05	30.45	ND	ND	301.60	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	9/16/2019	332.05	33.12	ND	ND	298.93	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	332.05	34.68	ND	ND	297.37	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	2/26/2020	332.05	34.43	ND	ND	297.62	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/14/2020	332.05	33.77	ND	ND	298.28	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-9	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-3	7/24/2009	104.99	33.67	ND	ND	71.32	<0.50	<1.0	<1.0	ND	5.7	NA	NA	NA	NA	Screened from 25-35'
	8/18/2009	333.98	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	10/15/2009	333.98	34.51	ND	ND	299.47	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	7/1/2010	333.98	32.39	ND	ND	301.59	ND(2)	ND(2)	ND(2)	ND(2)	1.9	NA	NA	NA	NA	
	9/30/2010	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/16/2010	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/17/2011	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/24/2011	333.98	33.63	ND	ND	300.35	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	9/2/2011	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/29/2011	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2012	333.98	34.56	ND	ND	299.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	2/25/2013	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/6/2013	333.98	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/18/2013	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2014	333.98	34.25	ND	ND	299.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	333.98	32.09	ND	ND	301.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	333.98	34.42	ND	ND	299.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/9/2014	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	333.98	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-3	8/28/2017	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	335.66	35.46	ND	ND	300.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/3/2018	335.66	33.68	ND	ND	301.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	335.66	32.14	ND	ND	303.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	335.66	32.37	ND	ND	303.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	335.66	35.35	ND	ND	300.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient water to sample
	11/21/2019	335.66	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-5R	7/24/2009	103.43	30.72	ND	ND	72.71	<0.50	<1.0	<1.0	ND	1.3	NA	NA	NA	NA	
	8/18/2009	332.35	NM	NM	NM	NM	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.48	NA	NA	NA	NA	
	10/15/2009	332.35	32.51	ND	ND	299.84	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	11.4	ND(25)	0.46	ND(5.0)	ND(5.0)	
	6/22/2010	332.35	29.40	ND	ND	302.95	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	9/30/2010	332.35	32.30	ND	ND	300.05	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA	
	12/16/2010	332.35	32.12	ND	ND	300.23	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	12	NA	NA	NA	NA	
	2/17/2011	332.35	32.31	ND	ND	300.04	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	5/24/2011	332.35	30.84	ND	ND	301.51	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9 J	NA	NA	NA	NA	
	9/2/2011	332.35	33.39	ND	ND	298.96	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9 J	NA	NA	NA	NA	
	12/29/2011	332.35	31.36	ND	ND	300.99	ND(0.5)	1 J	ND(0.8)	1 J	7	NA	NA	NA	NA	
	6/1/2012	332.35	31.93	ND	ND	300.42	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA	
	2/25/2013	332.35	33.28	ND	ND	299.07	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/6/2013	332.35	32.55	ND	ND	299.80	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	12/18/2013	332.35	33.92	ND	ND	298.43	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	332.35	31.32	ND	ND	301.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	332.35	29.30	ND	ND	303.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2014	332.35	31.37	ND	ND	300.98	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	332.35	35.19	ND	ND	297.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	332.35	34.59	ND	ND	297.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	332.35	33.31	ND	ND	299.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2015	332.35	35.55	ND	ND	296.80	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	332.35	36.61	ND	ND	295.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	332.35	33.71	ND	ND	298.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	332.35	32.04	ND	ND	300.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	332.35	34.41	ND	ND	297.94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	332.24	34.10	ND	ND	298.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	332.24	34.01	ND	ND	298.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-5R	8/29/2017	332.24	35.44	ND	ND	296.80	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	332.24	36.19	ND	ND	296.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	332.24	35.30	ND	ND	296.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	332.24	31.98	ND	ND	300.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	332.24	29.47	ND	ND	302.77	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	332.24	29.07	ND	ND	303.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	332.24	25.01	ND	ND	307.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	332.24	27.95	ND	ND	304.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	332.24	30.91	ND	ND	301.33	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	332.24	32.23	ND	ND	300.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	332.24	31.56	ND	ND	300.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	332.24	30.88	ND	ND	301.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-6S	9/24/2009	321.85	NM	NM	NM	NM	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.8	ND(25)	2.1	ND(5.0)	ND(5.0)	Screened from 20-35'
	10/15/2009	321.85	23.35	ND	ND	298.50	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.8	ND(25)	1.3	ND(5.0)	ND(5.0)	
	6/22/2010	321.85	20.22	ND	ND	301.63	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2	NA	NA	NA	NA	
	9/30/2010	321.85	23.00	ND	ND	298.85	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9	NA	NA	NA	NA	
	12/16/2010	321.85	22.82	ND	ND	299.03	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA	
	2/17/2011	321.85	23.02	ND	ND	298.83	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	5/24/2011	321.85	21.66	ND	ND	300.19	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	9/2/2011	321.85	24.04	ND	ND	297.81	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	12/29/2011	321.85	22.15	ND	ND	299.70	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	6/1/2012	321.85	22.72	ND	ND	299.13	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA	
	2/25/2013	321.85	24.03	ND	ND	297.82	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/6/2013	321.85	23.49	ND	ND	298.36	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/17/2013	321.85	24.63	ND	ND	297.22	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	321.85	22.19	ND	ND	299.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	321.85	20.01	ND	ND	301.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2014	321.85	22.41	ND	ND	299.44	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	321.85	26.42	ND	ND	295.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	321.85	25.91	ND	ND	295.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	321.85	36.59	ND	ND	285.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	321.85	27.01	ND	ND	294.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	321.85	27.84	ND	ND	294.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	321.85	25.18	ND	ND	296.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	321.85	23.04	ND	ND	298.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	321.85	25.64	ND	ND	296.21	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	321.85	25.67	ND	ND	296.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	321.85	25.28	ND	ND	296.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	321.85	25.48	ND	ND	296.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	321.85	27.01	ND	ND	294.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-6S	11/30/2017	321.85	27.67	ND	ND	294.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	321.85	26.69	ND	ND	295.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	321.85	24.45	ND	ND	297.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	321.85	21.65	ND	ND	300.20	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	321.85	20.31	ND	ND	301.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	321.85	18.83	ND	ND	303.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	321.85	19.12	ND	ND	302.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	321.85	22.14	ND	ND	299.71	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	321.85	23.48	ND	ND	298.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	321.85	22.85	ND	ND	299.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-6D(85)	6/22/2010	323.09	26.69	ND	ND	296.40	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA	
	9/30/2010	323.09	26.51	ND	ND	296.58	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1	NA	NA	NA	NA	
	12/16/2010	323.09	25.92	ND	ND	297.17	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	6	NA	NA	NA	NA	
	2/17/2011	323.09	26.14	ND	ND	296.95	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(1) J	NA	NA	NA	NA	
	5/24/2011	323.09	25.83	ND	ND	297.26	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1 J	NA	NA	NA	NA	
	9/2/2011	323.09	27.45	ND	ND	295.64	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.9 J	NA	NA	NA	NA	
	12/22/2011	323.09	25.47	ND	ND	297.62	ND(0.5)	1 J	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA	
	6/1/2012	323.09	25.95	ND	ND	297.14	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	0.8 J	NA	NA	NA	NA	
	2/25/2013	323.09	27.13	ND	ND	295.96	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	
	6/6/2013	323.09	26.66	ND	ND	296.43	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	6/18/2014	323.09	23.37	ND	ND	299.72	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/12/2015	323.09	28.85	ND	ND	294.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	323.09	39.72	ND	ND	283.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	323.09	30.33	ND	ND	292.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	323.09	30.80	ND	ND	292.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	323.09	28.67	ND	ND	294.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	323.09	26.21	ND	ND	296.88	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	323.09	29.28	ND	ND	293.81	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	323.09	28.68	ND	ND	294.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	323.09	28.31	ND	ND	294.78	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	323.09	28.71	ND	ND	294.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	323.09	30.05	ND	ND	293.04	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	323.09	30.65	ND	ND	292.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	323.09	29.70	ND	ND	293.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	323.09	27.77	ND	ND	295.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	323.09	25.28	ND	ND	297.81	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	323.09	23.50	ND	ND	299.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	323.09	21.94	ND	ND	301.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-6D(85)	5/30/2019	323.09	22.50	ND	ND	300.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	323.09	25.33	ND	ND	297.76	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	323.09	26.46	ND	ND	296.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	323.09	25.82	ND	ND	297.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	323.09	23.77	ND	ND	299.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	0	0	0	0	0	0	0

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-7	10/15/2009	327.96	31.21	ND	ND	296.75	2.7	ND(10)	ND(10)	ND(10)	10600	2650	232	ND(50)	217	Screened from 15-40'
	6/22/2010	327.96	28.00	ND	ND	299.96	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	87	NA	NA	NA	NA	
	9/30/2010	327.96	30.24	ND	ND	297.72	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/16/2010	327.96	30.15	ND	ND	297.81	2	ND(1)	ND(2)	ND(2)	2100	NA	NA	NA	NA	
	2/17/2011	327.96	30.75	ND	ND	297.21	ND(10)	ND(14)	ND(16)	ND(16)	9700	NA	NA	NA	NA	
	5/24/2011	327.96	29.56	ND	ND	298.40	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	130	NA	NA	NA	NA	
	9/2/2011	327.96	32.21	ND	ND	295.75	11 J	ND(14)	ND(16)	ND(16)	16000	NA	NA	NA	NA	
	12/29/2011	327.96	30.24	ND	ND	297.72	ND(1)	ND(1)	ND(2)	ND(2)	1600	NA	NA	NA	NA	
	6/1/2012	327.96	30.74	ND	ND	297.22	ND(5)	ND(7)	ND(8)	ND(8)	6700	NA	NA	NA	NA	
	2/25/2013	327.96	32.23	ND	ND	295.73	ND(250)	ND(250)	ND(250)	ND(250)	61000	14000	1700	ND(250)	940	
	6/6/2013	327.96	31.49	ND	ND	296.47	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	950	NA	NA	NA	NA	
	12/18/2013	327.96	32.79	ND	ND	295.17	ND(250)	ND(250)	ND(250)	ND(250)	140000	29000	3000	ND(250)	1600	
	3/28/2014	327.96	30.35	ND	ND	297.61	ND(1)	ND(1)	ND(1)	ND(1)	430	ND(20)	13	ND(1)	6	
	6/20/2014	327.96	28.19	ND	ND	299.77	ND(1)	ND(1)	ND(1)	ND(1)	72	35	9	ND(1)	ND(1)	
	9/8/2014	327.96	37.53	ND	ND	290.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/9/2014	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/12/2016	327.96	33.67	ND	ND	294.29	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	327.96	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	327.96	31.80	ND	ND	296.16	ND(1)	ND(1)	ND(1)	ND(1)	15	ND(20)	ND(1)	ND(1)	ND(1)	
	8/16/2016	327.96	34.45	ND	ND	293.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/14/2016	NSVD	34.81	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/13/2017	328.75	34.53	ND	ND	294.22	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	328.75	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	328.75	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-7	11/30/2017	328.75	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	328.75	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	328.75	38.02	ND	ND	290.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	9/5/2018	328.75	31.59	ND	ND	297.16	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	328.75	30.29	ND	ND	298.46	ND(1)	ND(1)	ND(1)	ND(5)	4	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	328.75	28.14	ND	ND	300.61	ND(1)	ND(1)	ND(1)	ND(5)	6	ND(25)	ND(1)	ND(1)	ND(1)	
	5/30/2019	328.75	28.84	ND	ND	299.91	ND(1)	ND(1)	ND(1)	ND(5)	2	ND(25)	ND(1)	ND(1)	ND(1)	
	9/17/2019	328.75	31.15	ND	ND	297.60	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	328.75	32.40	ND	ND	296.35	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	2/26/2020	328.75	31.96	ND	ND	296.79	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-4	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
SVE-2	3/25/2014	329.69	31.32	ND	ND	298.37	ND(1)	ND(1)	ND(1)	ND(1)	600	76	44	ND(1)	11	Screened from 25-45'
	6/19/2014	329.69	27.45	ND	ND	302.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/10/2014	329.69	30.79	ND	ND	298.90	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	3	ND(1)	ND(1)	
	12/9/2014	329.69	35.25	ND	ND	294.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.69	34.40	ND	ND	295.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	329.69	36.48	ND	ND	293.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2015	329.69	39.75	ND	ND	289.94	ND(1)	ND(1)	ND(1)	ND(1)	45	ND(20)	5	ND(1)	ND(1)	
	12/2/2015	329.64	40.46	ND	ND	289.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	329.64	37.96	ND	ND	291.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	329.64	32.82	ND	ND	296.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	329.64	37.47	ND	ND	292.17	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	NSVD	36.66	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	331.12	36.51	ND	ND	294.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	331.12	37.77	ND	ND	293.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	331.12	39.58	ND	ND	291.54	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	331.12	40.22	ND	ND	290.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	331.12	39.48	ND	ND	291.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	331.12	37.43	ND	ND	293.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2018	331.12	33.38	ND	ND	297.74	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	331.12	31.23	ND	ND	299.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	331.12	29.68	ND	ND	301.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	331.12	29.96	ND	ND	301.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	331.12	32.68	ND	ND	298.44	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	331.12	34.08	ND	ND	297.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	331.12	33.84	ND	ND	297.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	331.12	33.19	ND	ND	297.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-3	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-9	10/15/2009	333.46	35.60	ND	ND	297.86	ND(1.0)	0.33	ND(1.0)	0.38	64.7	ND(25)	125	ND(5.0)	2.9	Screened from 25-45'
	6/22/2010	333.46	32.32	ND	ND	301.14	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	22	NA	NA	NA	NA	
	9/30/2010	333.46	34.85	ND	ND	298.61	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	52	NA	NA	NA	NA	
	12/16/2010	333.46	34.73	ND	ND	298.73	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	81	NA	NA	NA	NA	
	2/17/2011	333.46	35.28	ND	ND	298.18	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	48	NA	NA	NA	NA	
	5/24/2011	333.46	34.04	ND	ND	299.42	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	26	NA	NA	NA	NA	
	9/2/2011	333.46	36.86	ND	ND	296.60	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	80	NA	NA	NA	NA	
	12/29/2011	333.46	34.68	ND	ND	298.78	ND(0.5)	2 J	ND(0.8)	1 J	58	NA	NA	NA	NA	
	6/1/2012	333.46	35.17	ND	ND	298.29	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	190	NA	NA	NA	NA	
	2/25/2013	333.46	36.65	ND	ND	296.81	ND(5)	ND(5)	ND(5)	ND(5)	55	ND(80)	17	ND(5)	ND(5)	
	6/6/2013	333.46	35.98	ND	ND	297.48	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	20	NA	NA	NA	NA	
	12/18/2013	333.46	37.33	ND	ND	296.13	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	333.46	34.67	ND	ND	298.79	ND(5)	ND(5)	ND(5)	ND(5)	12	ND(80)	6	ND(5)	ND(5)	
	6/19/2014	333.46	32.56	ND	ND	300.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/8/2014	333.46	35.91	ND	ND	297.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	333.46	40.12	ND	ND	293.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	333.46	40.65	ND	ND	292.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	333.46	39.21	ND	ND	294.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	333.46	41.15	ND	ND	292.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/2/2015	333.46	46.21	ND	ND	287.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	333.46	39.27	ND	ND	294.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	333.46	35.85	ND	ND	297.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	333.46	38.85	ND	ND	294.61	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	3	ND(1)	ND(1)	
	12/13/2016	333.46	38.30	ND	ND	295.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	333.88	38.29	ND	ND	295.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	333.88	38.86	ND	ND	295.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2017	333.88	40.64	ND	ND	293.24	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	333.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-9	3/8/2018	333.88	40.37	ND	ND	293.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	333.88	38.43	ND	ND	295.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	333.88	34.91	ND	ND	298.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/3/2018	333.88	32.76	ND	ND	301.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	333.88	31.26	ND	ND	302.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	333.88	31.57	ND	ND	302.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	333.88	34.26	ND	ND	299.62	ND(1)	ND(1)	ND(1)	ND(3)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	333.88	35.75	ND	ND	298.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	333.88	35.39	ND	ND	298.49	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	333.88	34.75	ND	ND	299.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-10	10/15/2009	324.17	28.77	ND	ND	295.40	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	10.3	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	Screened from 10-40'
	6/22/2010	324.17	25.80	ND	ND	298.37	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	4	NA	NA	NA	NA	
	12/16/2010	324.17	27.72	ND	ND	296.45	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	10	NA	NA	NA	NA	
	2/17/2011	324.17	28.05	ND	ND	296.12	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	7	NA	NA	NA	NA	
	5/24/2011	324.17	27.04	ND	ND	297.13	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	3 J	NA	NA	NA	NA	
	9/2/2011	324.17	29.60	ND	ND	294.57	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	8	NA	NA	NA	NA	
	12/29/2011	324.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	6/1/2012	324.17	28.17	ND	ND	296.00	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	4 J	NA	NA	NA	NA	
	2/25/2013	324.17	29.45	ND	ND	294.72	ND(5)	ND(5)	ND(5)	ND(5)	7	ND(80)	ND(5)	ND(5)	ND(5)	
	6/6/2013	324.17	28.87	ND	ND	295.30	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	324.17	30.04	ND	ND	294.13	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	324.17	27.24	ND	ND	296.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/18/2014	324.17	25.67	ND	ND	298.50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	324.17	28.02	ND	ND	296.15	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	324.17	32.88	ND	ND	291.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	324.17	32.22	ND	ND	291.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	324.17	31.04	ND	ND	293.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	324.17	33.51	ND	ND	290.66	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	324.17	34.13	ND	ND	290.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	324.17	32.24	ND	ND	291.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	324.17	28.77	ND	ND	295.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	324.17	31.88	ND	ND	292.29	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	324.17	30.97	ND	ND	293.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	324.17	30.61	ND	ND	293.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	324.17	31.27	ND	ND	292.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	324.17	32.06	ND	ND	292.11	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	324.17	33.57	ND	ND	290.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	324.17	32.45	ND	ND	291.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-10	6/4/2018	324.17	30.94	ND	ND	293.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2018	324.17	28.28	ND	ND	295.89	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	324.17	27.17	ND	ND	297.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	324.17	24.76	ND	ND	299.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	324.17	24.83	ND	ND	299.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	324.17	27.58	ND	ND	296.59	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	324.17	28.69	ND	ND	295.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	324.17	28.65	ND	ND	295.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	324.17	27.48	ND	ND	296.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	0	-1	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-11	10/16/2009	329.64	NM	NM	NM	NM	15.3	ND(10)	ND(10)	10.9	38400	23300	1290	ND(50)	464	Screened from 10-40'
	6/22/2010	329.64	29.00	ND	ND	300.64	ND(50)	ND(70)	ND(80)	ND(80)	170000	NA	NA	NA	NA	
	9/30/2010	329.64	31.42	ND	ND	298.22	ND(50)	ND(70)	ND(80)	ND(80)	130000	NA	NA	NA	NA	
	12/16/2010	329.64	31.22	ND	ND	298.42	ND(25)	ND(35)	ND(40)	ND(40)	41000	NA	NA	NA	NA	
	2/17/2011	329.64	31.81	ND	ND	297.83	ND(10)	ND(14)	ND(16)	ND(16)	23000	NA	NA	NA	NA	
	5/24/2011	329.64	30.56	ND	ND	299.08	ND(13)	ND(18)	ND(20)	ND(20)	16000	NA	NA	NA	NA	
	9/2/2011	329.64	33.22	ND	ND	296.42	4 J	ND(4)	ND(4)	ND(4)	7400	NA	NA	NA	NA	
	12/29/2011	329.64	31.29	ND	ND	298.35	ND(10)	ND(14)	ND(16)	ND(16)	9000	NA	NA	NA	NA	
	6/1/2012	329.64	31.77	ND	ND	297.87	7 J	21 J	ND(8)	34 J	4200	NA	NA	NA	NA	
	2/25/2013	329.64	33.03	ND	ND	296.61	ND(10)	ND(10)	ND(10)	ND(10)	1400	180	530	ND(10)	22	
	6/6/2013	329.64	32.46	ND	ND	297.18	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	770	NA	NA	NA	NA	
	12/18/2013	329.64	33.91	ND	ND	295.73	ND(5)	ND(5)	ND(5)	ND(5)	7	140	ND(80)	130	ND(5)	ND(5)
	3/24/2014	329.64	31.19	ND	ND	298.45	ND(5)	ND(5)	ND(5)	ND(5)	41	ND(80)	25	ND(5)	ND(5)	
	6/20/2014	329.64	28.93	ND	ND	300.71	ND(1)	ND(1)	ND(1)	ND(1)	27	ND(20)	6	ND(1)	ND(1)	
	9/10/2014	329.64	30.90	ND	ND	298.74	ND(1)	ND(1)	ND(1)	ND(1)	26	ND(20)	13	ND(1)	ND(1)	
	12/9/2014	329.64	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.64	36.52	ND	ND	293.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	329.64	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	329.64	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	329.64	38.85	ND	ND	290.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	329.64	38.18	ND	ND	291.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	329.64	32.72	ND	ND	296.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	329.64	38.31	ND	ND	291.33	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	329.64	35.18	ND	ND	294.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	329.73	34.99	ND	ND	294.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	329.73	36.48	ND	ND	293.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2017	329.73	38.59	ND	ND	291.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	329.73	38.75	ND	ND	290.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-11	3/8/2018	329.73	37.98	ND	ND	291.75	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.73	36.04	ND	ND	293.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2018	329.73	31.81	ND	ND	297.92	ND(1)	ND(1)	ND(1)	ND(5)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	329.73	29.96	ND	ND	299.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.73	28.32	ND	ND	301.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.73	28.48	ND	ND	301.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/17/2019	329.73	31.40	ND	ND	298.33	ND(1)	ND(1)	ND(1)	ND(3)	4	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	329.73	32.68	ND	ND	297.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	329.73	32.80	ND	ND	296.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	329.73	31.66	ND	ND	298.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							0	0	0	0	5	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-12D(110)	5/24/2011	326.43	28.12	ND	ND	298.31	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	Open from 100-160'
	9/2/2011	326.43	32.37	ND	ND	294.06	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/22/2011	326.43	29.63	ND	ND	296.80	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	6/1/2012	326.43	29.75	ND	ND	296.68	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	2/25/2013	326.43	30.86	ND	ND	295.57	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/6/2013	326.43	30.59	ND	ND	295.84	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/17/2013	326.43	31.51	ND	ND	294.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2014	326.43	29.33	ND	ND	297.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/18/2014	326.43	25.98	ND	ND	300.45	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/2/2015	326.43	32.43	ND	ND	294.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	326.43	30.45	ND	ND	295.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	326.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	326.43	31.64	ND	ND	294.79	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	326.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	326.43	34.36	ND	ND	292.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	326.43	32.80	ND	ND	293.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	326.43	34.04	ND	ND	292.39	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	326.43	34.93	ND	ND	291.50	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	326.43	34.42	ND	ND	292.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	326.43	30.94	ND	ND	295.49	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2018	326.43	28.50	ND	ND	297.93	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	326.43	25.07	ND	ND	301.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	326.43	23.18	ND	ND	303.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	326.43	24.33	ND	ND	302.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/17/2019	326.43	27.85	ND	ND	298.58	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	326.43	30.55	ND	ND	295.88	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	326.43	29.83	ND	ND	296.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	326.43	28.48	ND	ND	297.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-13	9/2/2011	332.00	34.37	ND	ND	297.63	5	ND(0.7)	ND(0.8)	5	6800	NA	NA	NA	NA	Screened from 25-45'
	12/29/2011	332.00	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	6/1/2012	332.00	32.88	ND	ND	299.12	ND(5)	ND(7)	ND(8)	ND(8)	5700	NA	NA	NA	NA	
	2/25/2013	332.00	33.80	ND	ND	298.20	ND(25)	ND(25)	ND(25)	ND(25)	5300	ND(400)	150	ND(25)	80	
	6/6/2013	332.00	33.33	ND	ND	298.67	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	1300	NA	NA	NA	NA	
	12/19/2013	332.00	34.43	ND	ND	297.57	ND(5)	ND(5)	ND(5)	ND(5)	1100	ND(80)	43	ND(5)	18	
	3/24/2014	332.00	32.29	ND	ND	299.71	ND(5)	ND(5)	ND(5)	ND(5)	21	ND(80)	ND(5)	ND(5)	ND(5)	
	6/19/2014	332.00	30.07	ND	ND	301.93	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	9/10/2014	332.00	32.95	ND	ND	299.05	ND(1)	ND(1)	ND(1)	ND(1)	7	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	332.00	30.16	ND	ND	301.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	332.00	34.27	ND	ND	297.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	332.00	35.94	ND	ND	296.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2015	332.00	38.73	ND	ND	293.27	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	332.00	39.03	ND	ND	292.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	3320.00	36.84	ND	ND	3283.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	332.00	33.71	ND	ND	298.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	332.00	36.35	ND	ND	295.65	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	10/19/2016	332.00	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well Abandoned 10/19/16
Mann-Kendall Statistic							0	0	0	0	-34	0	-11	0	-11	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-14	9/2/2011	331.81	35.02	ND	ND	296.79	54	ND(4)	ND(4)	55	170000	NA	NA	NA	NA	Screened from 25-45'
	12/29/2011	331.81	33.36	ND	ND	298.45	ND(50)	ND(70)	ND(80)	ND(80)	99000	NA	NA	NA	NA	
	6/1/2012	331.81	33.90	ND	ND	297.91	ND(50)	ND(70)	ND(80)	ND(80)	91000	NA	NA	NA	NA	
	2/25/2013	331.81	35.07	ND	ND	296.74	ND(50)	ND(50)	ND(50)	ND(50)	29000	2500	1100	ND(50)	450	
	6/6/2013	331.81	34.35	ND	ND	297.46	ND(1)	ND(1)	ND(2)	ND(2)	3600	NA	NA	NA	NA	
	12/19/2013	331.81	35.15	ND	ND	296.66	ND(5)	ND(5)	ND(5)	ND(5)	33	ND(80)	11	ND(5)	ND(5)	
	3/24/2014	331.82	32.91	ND	ND	298.91	ND(5)	ND(5)	ND(5)	ND(5)	14	ND(80)	ND(5)	ND(5)	ND(5)	
	6/19/2014	331.82	27.27	ND	ND	304.55	ND(1)	ND(1)	ND(1)	ND(1)	62	ND(20)	14	ND(1)	2	
	9/10/2014	331.82	24.65	ND	ND	307.17	ND(1)	ND(1)	ND(1)	ND(1)	190	ND(20)	5	ND(1)	3	
	12/9/2014	331.82	33.27	ND	ND	298.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	331.82	24.74	ND	ND	307.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	331.82	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Destroyed during construction
Mann-Kendall Statistic							0	0	0	0	-11	-4	-4	0	1	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-15	9/2/2011	328.95	33.06	ND	ND	295.89	ND(0.5)	ND(0.7)	ND(0.8)	1 J	21000	NA	NA	NA	NA	Screened from 25-45'
	12/29/2011	328.95	31.10	ND	ND	297.85	ND(1)	ND(1)	ND(2)	ND(2)	1100	NA	NA	NA	NA	
	6/1/2012	328.95	31.64	ND	ND	297.31	ND(10)	ND(14)	ND(16)	ND(16)	14000	NA	NA	NA	NA	
	2/25/2013	328.95	33.10	ND	ND	295.85	ND(10)	ND(10)	ND(10)	ND(10)	1800	300	140	ND(10)	28	
	6/6/2013	328.95	32.32	ND	ND	296.63	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	120	NA	NA	NA	NA	
	12/18/2013	328.95	33.86	ND	ND	295.09	ND(10)	ND(10)	ND(10)	14	1700	260	210	ND(10)	27	
	3/25/2014	328.95	30.90	ND	ND	298.05	ND(5)	ND(5)	ND(5)	ND(5)	350	ND(80)	50	ND(5)	5	
	6/20/2014	328.95	28.74	ND	ND	300.21	ND(1)	ND(1)	ND(1)	ND(1)	42	ND(20)	17	ND(1)	ND(1)	
	9/10/2014	328.95	31.49	ND	ND	297.46	ND(1)	ND(1)	ND(1)	1	530	110	150	ND(1)	12	
	12/10/2014	328.95	38.19	ND	ND	290.76	ND(2)	ND(2)	ND(2)	5	2100	750	370	ND(2)	42	
	3/11/2015	328.95	36.23	ND	ND	292.72	ND(1)	ND(1)	ND(1)	ND(1)	63	ND(20)	21	ND(1)	ND(1)	
	6/3/2015	328.95	36.27	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	62	ND(20)	8	ND(1)	ND(1)	
	9/1/2015	328.95	40.62	ND	ND	288.33	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient volume to sample
	12/2/2015	328.95	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/17/2016	328.95	38.86	ND	ND	290.09	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	1	ND(1)	ND(1)	
	5/2/2016	328.95	32.38	ND	ND	296.57	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	8/16/2016	328.95	36.17	ND	ND	292.78	ND(1)	ND(1)	ND(1)	ND(1)	30	ND(20)	1	ND(1)	ND(1)	
	12/15/2016	328.95	34.84	ND	ND	294.11	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/16/2017	329.11	34.61	ND	ND	294.50	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/21/2017	329.11	34.91	ND	ND	294.20	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	8/29/2017	329.11	38.29	ND	ND	290.82	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	329.11	38.89	ND	ND	290.22	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	329.11	38.15	ND	ND	290.96	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	329.11	36.11	ND	ND	293.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/5/2018	329.11	31.31	ND	ND	297.80	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	329.11	29.38	ND	ND	299.73	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	329.11	27.97	ND	ND	301.14	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/30/2019	329.11	28.11	ND	ND	301.00	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-15	9/16/2019	329.11	30.83	ND	ND	298.28	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	329.11	32.31	ND	ND	296.80	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	2/26/2020	329.11	31.99	ND	ND	297.12	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/14/2020	329.11	31.32	ND	ND	297.79	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-45	0	-15	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-16D(95)	6/1/2012	332.90	35.33	ND	ND	297.57	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	140	NA	NA	NA	NA	Abandoned to 110' (April 2011)
	2/25/2013	332.90	36.83	ND	ND	296.07	ND(100)	ND(100)	ND(100)	ND(100)	9800	ND(1600)	360	ND(100)	200	Open from 85-110'
	6/6/2013	332.90	36.15	ND	ND	296.75	18 J	ND(7)	ND(8)	ND(8)	11000	NA	NA	NA	NA	
	12/19/2013	332.90	37.13	ND	ND	295.77	ND(130)	ND(130)	ND(130)	ND(130)	19000	2800	770	ND(130)	390	
	3/25/2014	332.90	34.64	ND	ND	298.26	25	ND(25)	ND(25)	ND(25)	14000	2000	520	ND(25)	300	
	6/19/2014	332.90	32.75	ND	ND	300.15	28	ND(20)	ND(20)	ND(20)	13000	1100	660	ND(20)	280	
	9/3/2014	332.90	36.14	ND	ND	296.76	6	ND(5)	ND(5)	ND(5)	3600	450	140	ND(5)	69	
	12/9/2014	332.90	40.36	ND	ND	292.54	ND(5)	ND(5)	ND(5)	ND(5)	2100	ND(100)	29	ND(5)	19	
	3/9/2015	332.90	NM	NM	NM	NM	ND(2)	ND(2)	ND(2)	ND(2)	1300	290	67	ND(2)	17	
	6/1/2015	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	610	34	47	ND(1)	9	
	8/17/2015	332.90	NM	NM	NM	NM	ND(2)	ND(2)	ND(2)	ND(2)	450	NA	NA	NA	NA	
	8/31/2015	332.90	44.79	ND	ND	288.11	ND(1)	ND(1)	ND(1)	ND(1)	300	23	26	ND(1)	4	
	12/1/2015	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	490	35	21	ND(1)	7	
	2/12/2016	332.90	37.98	ND	ND	294.92	ND(1)	ND(1)	ND(1)	ND(1)	81	ND(20)	4	ND(1)	ND(1)	
	3/17/2016	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	39	ND(20)	1	ND(1)	1	
	5/6/2016	332.90	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	200	ND(20)	8	ND(1)	3	
	8/16/2016	332.90	38.25	ND	ND	294.65	ND(1)	ND(1)	ND(1)	ND(1)	19	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	332.90	38.48	ND	ND	294.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	332.27	37.25	ND	ND	295.02	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	
	6/21/2017	332.27	37.91	ND	ND	294.36	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/1/2017	332.27	40.00	ND	ND	292.27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2017	332.27	40.44	ND	ND	291.83	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	332.27	39.62	ND	ND	292.65	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	332.27	37.87	ND	ND	294.40	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/6/2018	332.27	34.24	ND	ND	298.03	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	332.27	32.20	ND	ND	300.07	ND(1)	ND(1)	ND(1)	ND(5)	2	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	332.27	30.65	ND	ND	301.62	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	332.27	30.72	ND	ND	301.55	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-16D(95)	9/16/2019	332.27	33.74	ND	ND	298.53	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	332.27	35.10	ND	ND	297.17	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	2/26/2020	332.27	35.73	ND	ND	296.54	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/14/2020	332.27	34.02	ND	ND	298.25	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-47	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(75)	4/25/2014	328.84	30.77	ND	ND	298.07	ND(100)	ND(100)	ND(100)	ND(100)	120000	39000	2000	ND(100)	1900	CMT
	6/11/2014	328.84	29.81	ND	ND	299.03	ND(1)	ND(1)	ND(1)	ND(1)	20	ND(20)	2	ND(1)	ND(1)	
	9/2/2014	328.84	31.70	ND	ND	297.14	ND(1)	ND(1)	ND(1)	ND(1)	190	ND(20)	31	ND(1)	2	
	12/8/2014	328.84	49.65	ND	ND	279.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	21	ND(20)	ND(20)	ND(20)	37000	8300	860	ND(20)	600	
	3/9/2015	328.84	42.23	ND	ND	286.61	ND(20)	ND(20)	ND(20)	ND(20)	23000	4900	300	ND(20)	210	
	6/1/2015	328.84	35.71	ND	ND	293.13	ND(1)	ND(1)	ND(1)	ND(1)	200	ND(20)	21	ND(1)	4	
	8/31/2015	328.84	36.89	ND	ND	291.95	ND(10)	ND(10)	ND(10)	ND(10)	13000	3400	400	ND(10)	280	
	12/29/2015	328.84	44.73	ND	ND	284.11	ND(10)	ND(10)	ND(10)	ND(10)	7100	1200	190	ND(10)	120	
	3/17/2016	328.84	48.50	ND	ND	280.34	4	ND(1)	ND(1)	ND(1)	6400	970	180	ND(1)	110	
	4/29/2016	328.84	33.00	ND	ND	295.84	13	ND(10)	ND(10)	ND(10)	37000	7700	700	ND(10)	510	
	8/16/2016	328.84	37.84	ND	ND	291.00	ND(10)	ND(10)	ND(10)	ND(10)	3800	650	110	ND(10)	55	
	12/13/2016	328.84	35.24	ND	ND	293.60	ND(50)	ND(50)	ND(50)	ND(50)	32000	6100	560	ND(50)	420	
	3/13/2017	328.99	34.97	ND	ND	294.02	ND(50)	ND(50)	ND(50)	ND(50)	27000	7400	580	ND(50)	340	
	6/21/2017	328.99	36.85	ND	ND	292.14	ND(10)	ND(10)	ND(10)	ND(10)	9900	1400	250	ND(10)	150	
	8/28/2017	328.99	42.70	ND	ND	286.29	2	ND(2)	ND(2)	ND(2)	4000	480	110	ND(2)	62	
	11/30/2017	328.99	42.20	ND	ND	286.79	ND(2)	ND(2)	ND(2)	ND(2)	3200	430	93	ND(2)	45	
	3/8/2018	328.99	41.47	ND	ND	287.52	ND(2)	ND(2)	ND(2)	ND(2)	2100	310	64	ND(2)	34	
	6/4/2018	328.99	39.02	ND	ND	289.97	ND(5)	ND(5)	ND(5)	ND(5)	2100	370	56	ND(5)	25	
	9/5/2018	328.99	32.29	ND	ND	296.70	ND(25)	ND(25)	ND(25)	ND(130)	13000	2500	320	ND(25)	200	
	12/3/2018	328.99	30.23	ND	ND	298.76	ND(20)	ND(20)	ND(20)	ND(100)	16000	3400	420	ND(20)	180	
	3/14/2019	328.99	28.78	ND	ND	300.21	ND(20)	ND(20)	ND(20)	ND(100)	19000	3400	430	ND(20)	220	
	5/30/2019	328.99	28.88	ND	ND	300.11	ND(25)	ND(25)	ND(25)	ND(130)	14000	3000	340	ND(25)	200	
	9/13/2019	328.99	31.95	ND	ND	297.04	ND(20)	ND(20)	ND(20)	ND(60)	15000	3300	380	ND(20)	220	
	11/21/2019	328.99	33.01	ND	ND	295.98	ND(20)	ND(20)	ND(20)	ND(60)	16000	3800	320	ND(20)	200	
	2/26/2020	328.99	32.41	ND	ND	296.58	ND(20)	ND(20)	ND(20)	ND(60)	17000	3900	430	ND(20)	240	
	5/12/2020	328.99	31.72	ND	ND	297.27	ND(20)	ND(20)	ND(20)	ND(100)	14000	3300	370	ND(20)	220	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						-7	0	0	0	17	24	15	0	24	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(81)	4/25/2014	328.84	28.89	ND	ND	299.95	ND(100)	ND(100)	ND(100)	ND(100)	92000	23000	1700	ND(100)	1400	CMT
	6/11/2014	328.84	30.72	ND	ND	298.12	ND(10)	ND(10)	ND(10)	ND(10)	5000	1800	70	ND(10)	60	
	9/2/2014	328.84	31.13	ND	ND	297.71	ND(1)	ND(1)	ND(1)	ND(1)	10	ND(20)	2	ND(1)	ND(1)	
	12/8/2014	328.84	50.40	ND	ND	278.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(10)	ND(10)	ND(10)	ND(10)	5900	2800	89	ND(10)	73	
	3/9/2015	328.84	42.25	ND	ND	286.59	ND(1)	ND(1)	ND(1)	ND(1)	14	ND(20)	2	ND(1)	ND(1)	
	6/1/2015	328.84	35.58	ND	ND	293.26	ND(5)	ND(5)	ND(5)	ND(5)	2600	400	88	ND(5)	44	
	8/31/2015	328.84	36.62	ND	ND	292.22	3	ND(2)	ND(2)	ND(2)	790	150	41	ND(2)	18	
	12/29/2015	328.84	44.94	ND	ND	283.90	ND(5)	ND(5)	ND(5)	ND(5)	2500	430	62	ND(5)	43	
	3/17/2016	328.84	49.35	ND	ND	279.49	1	ND(1)	ND(1)	ND(1)	2700	300	84	ND(1)	48	
	4/29/2016	328.84	32.77	ND	ND	296.07	ND(10)	ND(10)	ND(10)	ND(10)	12000	1900	310	ND(10)	170	
	8/16/2016	328.84	38.02	ND	ND	290.82	ND(5)	ND(5)	ND(5)	ND(5)	1800	290	49	ND(5)	25	
	12/13/2016	328.84	35.25	ND	ND	293.59	ND(20)	ND(20)	ND(20)	ND(20)	17000	3000	300	ND(20)	240	
	3/13/2017	328.99	34.97	ND	ND	294.02	ND(20)	ND(20)	ND(20)	ND(20)	30000	7900	600	ND(20)	370	
	6/21/2017	328.99	36.65	ND	ND	292.34	ND(5)	ND(5)	ND(5)	ND(5)	5400	730	130	ND(5)	79	
	8/28/2017	328.99	43.07	ND	ND	285.92	ND(2)	ND(2)	ND(2)	ND(2)	2300	240	70	ND(2)	35	
	11/30/2017	328.99	42.68	ND	ND	286.31	ND(2)	ND(2)	ND(2)	ND(2)	2200	290	66	ND(2)	31	
	3/8/2018	328.99	42.30	ND	ND	286.69	ND(1)	ND(1)	ND(1)	ND(1)	830	190	13	ND(1)	10	
	6/4/2018	328.99	39.47	ND	ND	289.52	ND(2)	ND(2)	ND(2)	ND(2)	1400	160	38	ND(2)	15	
	9/5/2018	328.99	32.26	ND	ND	296.73	ND(20)	ND(20)	ND(20)	ND(100)	6500	1200	170	ND(20)	110	
	12/3/2018	328.99	30.26	ND	ND	298.73	ND(20)	ND(20)	ND(20)	ND(100)	7500	1300	200	ND(20)	89	
	3/14/2019	328.99	28.00	ND	ND	300.99	ND(10)	ND(10)	ND(10)	ND(50)	6100	910	140	ND(10)	72	
	5/30/2019	328.99	28.92	ND	ND	300.07	ND(20)	ND(20)	ND(20)	ND(100)	10000	2000	250	ND(20)	150	
	9/13/2019	328.99	30.87	ND	ND	298.12	ND(10)	ND(10)	ND(10)	ND(30)	9200	1900	240	ND(10)	140	
	11/21/2019	328.99	33.00	ND	ND	295.99	ND(20)	ND(20)	ND(20)	ND(60)	14000	2600	350	ND(20)	180	
	2/26/2020	328.99	32.44	ND	ND	296.55	ND(10)	ND(10)	ND(10)	ND(30)	10000	1900	290	ND(10)	150	
	5/12/2020	328.99	31.79	ND	ND	297.20	ND(20)	ND(20)	ND(20)	ND(100)	9800	2000	260	ND(20)	160	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	31	29	36	0	31	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(87.75)	4/25/2014	328.84	30.93	ND	ND	297.91	ND(50)	ND(50)	ND(50)	ND(50)	40000	11000	700	ND(50)	620	CMT
	6/11/2014	328.84	29.96	ND	ND	298.88	ND(25)	ND(25)	ND(25)	ND(25)	12000	2600	240	ND(25)	170	
	9/2/2014	328.84	31.57	ND	ND	297.27	ND(1)	ND(1)	ND(1)	ND(1)	250	61	6	ND(1)	3	
	12/8/2014	328.84	34.62	ND	ND	294.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(20)	ND(20)	ND(20)	ND(20)	25000	1200	360	ND(20)	290	
	3/9/2015	328.84	36.27	ND	ND	292.57	ND(1)	ND(1)	ND(1)	ND(1)	80	21	3	ND(1)	ND(1)	
	6/1/2015	328.84	35.16	ND	ND	293.68	2	ND(1)	ND(1)	ND(1)	630	57	31	ND(1)	11	
	8/31/2015	328.84	36.20	ND	ND	292.64	ND(20)	ND(20)	ND(20)	ND(20)	7200	ND(400)	120	ND(20)	77	
	12/29/2015	328.84	34.65	ND	ND	294.19	ND(2)	ND(2)	ND(2)	ND(2)	1700	190	52	ND(2)	32	
	3/17/2016	328.84	38.21	ND	ND	290.63	ND(1)	ND(1)	ND(1)	ND(1)	27	ND(20)	3	ND(1)	ND(1)	
	4/29/2016	328.84	32.98	ND	ND	295.86	ND(1)	ND(1)	ND(1)	ND(1)	150	ND(20)	7	ND(1)	1	
	8/16/2016	328.84	35.22	ND	ND	293.62	ND(1)	ND(1)	ND(1)	ND(1)	17	ND(20)	1	ND(1)	ND(1)	
	12/13/2016	328.84	35.29	ND	ND	293.55	ND(1)	ND(1)	ND(1)	ND(1)	180	ND(20)	6	ND(1)	2	
	3/13/2017	328.99	35.01	ND	ND	293.98	ND(1)	ND(1)	ND(1)	ND(1)	190	ND(20)	6	ND(1)	2	
	6/21/2017	328.99	35.23	ND	ND	293.76	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	4	ND(1)	ND(1)	
	8/28/2017	328.99	38.34	ND	ND	290.65	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	328.99	38.75	ND	ND	290.24	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	328.99	37.71	ND	ND	291.28	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	328.99	36.31	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/5/2018	328.99	32.40	ND	ND	296.59	ND(1)	ND(1)	ND(1)	ND(5)	16	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	328.99	30.32	ND	ND	298.67	ND(1)	ND(1)	ND(1)	ND(5)	52	ND(25)	3	ND(1)	ND(1)	
	3/14/2019	328.99	28.91	ND	ND	300.08	ND(1)	ND(1)	ND(1)	ND(5)	29	ND(25)	1	ND(1)	ND(1)	
	5/30/2019	328.99	29.02	ND	ND	299.97	ND(1)	ND(1)	ND(1)	ND(5)	32	ND(25)	1	ND(1)	ND(1)	
	9/13/2019	328.99	31.82	ND	ND	297.17	ND(1)	ND(1)	ND(1)	ND(3)	31	ND(25)	1	ND(1)	ND(1)	
	11/21/2019	328.99	33.04	ND	ND	295.95	ND(1)	ND(1)	ND(1)	ND(3)	28	ND(25)	1	ND(1)	ND(1)	
	2/26/2020	328.99	32.52	ND	ND	296.47	ND(1)	ND(1)	ND(1)	ND(3)	6	ND(25)	ND(1)	ND(1)	ND(1)	
	5/12/2020	328.99	31.87	ND	ND	297.12	ND(1)	ND(1)	ND(1)	ND(5)	5	ND(25)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-22	0	-30	0	-24	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(92)	4/25/2014	328.84	30.94	ND	ND	297.90	ND(25)	ND(25)	ND(25)	ND(25)	15000	3200	370	ND(25)	270	CMT
	6/10/2014	328.84	29.95	ND	ND	298.89	ND(10)	ND(10)	ND(10)	ND(10)	11000	2200	320	ND(10)	200	
	9/2/2014	328.84	32.84	ND	ND	296.00	ND(10)	ND(10)	ND(10)	ND(10)	11000	3300	200	ND(10)	130	
	12/8/2014	328.84	37.26	ND	ND	291.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(20)	ND(20)	ND(20)	ND(20)	32000	12000	600	ND(20)	390	
	3/9/2015	328.84	37.04	ND	ND	291.80	ND(3)	ND(3)	ND(3)	ND(3)	620	220	16	ND(3)	8	
	6/1/2015	328.84	35.00	ND	ND	293.84	ND(50)	ND(50)	ND(50)	ND(50)	17000	3700	410	ND(50)	200	
	8/31/2015	328.84	36.01	ND	ND	292.83	ND(10)	ND(10)	ND(10)	ND(10)	8100	200	140	ND(10)	95	
	12/29/2015	328.84	38.96	ND	ND	289.88	ND(1)	ND(1)	ND(1)	ND(1)	85	ND(20)	5	ND(1)	2	
	3/17/2016	328.84	37.92	ND	ND	290.92	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	4/29/2016	328.84	33.10	ND	ND	295.74	ND(1)	ND(1)	ND(1)	ND(1)	13	ND(20)	ND(1)	ND(1)	ND(1)	
	8/16/2016	328.84	35.78	ND	ND	293.06	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	328.84	35.07	ND	ND	293.77	ND(1)	ND(1)	ND(1)	ND(1)	28	ND(20)	ND(1)	ND(1)	ND(1)	
	3/13/2017	328.99	34.96	ND	ND	294.03	ND(1)	ND(1)	ND(1)	ND(1)	18	ND(20)	ND(1)	ND(1)	ND(1)	
	6/21/2017	328.99	35.52	ND	ND	293.47	ND(1)	ND(1)	ND(1)	ND(1)	9	ND(20)	ND(1)	ND(1)	ND(1)	
	8/28/2017	328.99	38.41	ND	ND	290.58	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	328.99	38.55	ND	ND	290.44	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	328.99	37.77	ND	ND	291.22	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	328.99	36.32	ND	ND	292.67	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/5/2018	328.99	32.37	ND	ND	296.62	ND(1)	ND(1)	ND(1)	ND(5)	7	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	328.99	30.33	ND	ND	298.66	ND(1)	ND(1)	ND(1)	ND(5)	15	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	328.99	28.93	ND	ND	300.06	ND(1)	ND(1)	ND(1)	ND(5)	10	ND(25)	ND(1)	ND(1)	ND(1)	
	5/30/2019	328.99	29.00	ND	ND	299.99	ND(1)	ND(1)	ND(1)	ND(5)	6	ND(25)	ND(1)	ND(1)	ND(1)	
	9/13/2019	328.99	31.78	ND	ND	297.21	ND(1)	ND(1)	ND(1)	ND(3)	6	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	328.99	33.02	ND	ND	295.97	ND(1)	ND(1)	ND(1)	ND(3)	6	ND(25)	ND(1)	ND(1)	ND(1)	
	2/26/2020	328.99	32.41	ND	ND	296.58	ND(1)	ND(1)	ND(1)	ND(3)	5	ND(25)	ND(1)	ND(1)	ND(1)	
	5/12/2020	328.99	31.89	ND	ND	297.10	ND(1)	ND(1)	ND(1)	ND(5)	5	ND(25)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-26	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(117)	4/25/2014	328.84	31.35	ND	ND	297.49	ND(100)	ND(100)	ND(100)	ND(100)	120000	31000	2300	ND(100)	1800	CMT
	6/10/2014	328.84	30.58	ND	ND	298.26	ND(50)	ND(50)	ND(50)	ND(50)	54000	14000	1000	ND(50)	740	
	9/3/2014	328.84	32.99	ND	ND	295.85	ND(50)	ND(50)	ND(50)	ND(50)	23000	5500	450	ND(50)	300	
	12/8/2014	328.84	38.28	ND	ND	290.56	ND(5)	ND(5)	ND(5)	ND(5)	5000	1400	130	ND(5)	76	
	3/10/2015	328.84	37.65	ND	ND	291.19	ND(20)	ND(20)	ND(20)	ND(20)	8700	3300	350	ND(20)	120	
	6/2/2015	328.84	35.72	ND	ND	293.12	ND(50)	ND(50)	ND(50)	ND(50)	19000	2900	500	ND(50)	230	
	9/1/2015	328.84	36.70	ND	ND	292.14	ND(10)	ND(10)	ND(10)	ND(10)	9400	2400	290	ND(10)	160	
	12/29/2015	328.84	38.68	ND	ND	290.16	ND(10)	ND(10)	ND(10)	ND(10)	5800	1600	170	ND(10)	120	
	3/17/2016	328.84	37.48	ND	ND	291.36	ND(5)	ND(5)	ND(5)	ND(5)	4200	1100	100	ND(5)	74	
	4/29/2016	328.84	33.57	ND	ND	295.27	ND(5)	ND(5)	ND(5)	ND(5)	3500	590	79	ND(5)	43	
	8/16/2016	328.84	35.76	ND	ND	293.08	ND(5)	ND(5)	ND(5)	ND(5)	3300	660	95	ND(5)	55	
	12/13/2016	328.84	35.79	ND	ND	293.05	ND(2)	ND(2)	ND(2)	ND(2)	1000	150	17	ND(2)	14	
	3/13/2017	328.99	35.46	ND	ND	293.53	ND(2)	ND(2)	ND(2)	ND(2)	720	160	20	ND(2)	12	
	6/21/2017	328.99	35.45	ND	ND	293.54	ND(1)	ND(1)	ND(1)	ND(1)	790	110	20	ND(1)	13	
	8/28/2017	328.99	38.09	ND	ND	290.90	2	ND(1)	ND(1)	ND(1)	1100	190	50	ND(1)	25	
	11/30/2017	328.99	38.56	ND	ND	290.43	ND(2)	ND(2)	ND(2)	ND(2)	1800	390	46	ND(2)	25	
	3/8/2018	328.99	37.64	ND	ND	291.35	ND(2)	ND(2)	ND(2)	ND(2)	1700	370	67	ND(2)	36	
	6/4/2018	328.99	36.03	ND	ND	292.96	ND(2)	ND(2)	ND(2)	ND(2)	1100	290	38	ND(2)	18	
	9/5/2018	328.99	33.03	ND	ND	295.96	ND(2)	ND(2)	ND(2)	ND(10)	810	120	34	ND(2)	16	
	12/3/2018	328.99	31.21	ND	ND	297.78	1	ND(1)	ND(1)	ND(5)	820	77	67	ND(1)	19	
	3/14/2019	328.99	29.83	ND	ND	299.16	ND(1)	ND(1)	ND(1)	ND(5)	310	45	15	ND(1)	6	
	5/30/2019	328.99	29.94	ND	ND	299.05	ND(1)	ND(1)	ND(1)	ND(5)	270	47	11	ND(1)	5	
	9/13/2019	328.99	32.12	ND	ND	296.87	ND(1)	ND(1)	ND(1)	ND(3)	200	38	8	ND(1)	3	
	11/21/2019	328.99	33.66	ND	ND	295.33	ND(5)	ND(5)	ND(5)	ND(15)	220	ND(130)	6	ND(5)	ND(5)	
	2/26/2020	328.99	33.04	ND	ND	295.95	ND(1)	ND(1)	ND(1)	ND(3)	170	32	6	ND(1)	3	
	5/12/2020	328.99	32.40	ND	ND	296.59	ND(1)	ND(1)	ND(1)	ND(5)	280	62	11	ND(1)	5	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						-5	0	0	0	-69	-72	-58	0	-63	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(129.75)	4/25/2014	328.84	32.77	ND	ND	296.07	ND(100)	ND(100)	ND(100)	ND(100)	120000	30000	2300	ND(100)	1800	CMT
	6/10/2014	328.84	31.59	ND	ND	297.25	ND(50)	ND(50)	ND(50)	ND(50)	49000	17000	830	ND(50)	690	
	9/3/2014	328.84	33.61	ND	ND	295.23	ND(100)	ND(100)	ND(100)	ND(100)	80000	23000	1400	ND(100)	990	
	12/8/2014	328.84	38.10	ND	ND	290.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(50)	ND(50)	ND(50)	ND(50)	69000	21000	1500	ND(50)	1000	
	3/10/2015	328.84	43.87	ND	ND	284.97	ND(10)	ND(10)	ND(10)	ND(10)	12000	3300	360	ND(10)	180	
	6/2/2015	328.84	35.96	ND	ND	292.88	ND(100)	ND(100)	ND(100)	ND(100)	64000	9500	1300	ND(100)	790	
	8/31/2015	328.84	36.95	ND	ND	291.89	ND(100)	ND(100)	ND(100)	ND(100)	49000	15000	910	ND(100)	660	
	12/29/2015	328.84	38.24	ND	ND	290.60	ND(50)	ND(50)	ND(50)	ND(50)	18000	7000	320	ND(50)	320	
	3/17/2016	328.84	37.41	ND	ND	291.43	ND(5)	ND(5)	ND(5)	ND(5)	5600	600	97	ND(5)	73	
	4/29/2016	328.84	34.25	ND	ND	294.59	ND(2)	ND(2)	ND(2)	ND(2)	2100	290	42	ND(2)	24	
	8/16/2016	328.84	36.61	ND	ND	292.23	ND(2)	ND(2)	ND(2)	ND(2)	2200	450	61	ND(2)	37	
	12/13/2016	328.84	36.16	ND	ND	292.68	ND(2)	ND(2)	ND(2)	ND(2)	2000	480	37	ND(2)	35	
	3/13/2017	328.99	35.96	ND	ND	293.03	ND(2)	ND(2)	ND(2)	ND(2)	1700	360	45	ND(2)	28	
	6/21/2017	328.99	35.91	ND	ND	293.08	ND(5)	ND(5)	ND(5)	ND(5)	2900	410	68	ND(5)	40	
	8/28/2017	328.99	38.13	ND	ND	290.86	2	ND(2)	ND(2)	ND(2)	4300	730	140	ND(2)	80	
	11/30/2017	328.99	38.54	ND	ND	290.45	ND(5)	ND(5)	ND(5)	ND(5)	2900	660	58	ND(5)	40	
	3/8/2018	328.99	37.70	ND	ND	291.29	ND(5)	ND(5)	ND(5)	ND(5)	3500	720	100	ND(5)	62	
	6/4/2018	328.99	36.26	ND	ND	292.73	ND(5)	ND(5)	ND(5)	ND(5)	2200	640	43	ND(5)	27	
	9/5/2018	328.99	33.60	ND	ND	295.39	ND(2)	ND(2)	ND(2)	ND(10)	1600	500	37	ND(2)	30	
	12/3/2018	328.99	31.88	ND	ND	297.11	ND(5)	ND(5)	ND(5)	ND(25)	1900	550	37	ND(5)	21	
	3/14/2019	328.99	30.68	ND	ND	298.31	ND(5)	ND(5)	ND(5)	ND(25)	2200	520	41	ND(5)	25	
	5/30/2019	328.99	30.35	ND	ND	298.64	ND(2)	ND(2)	ND(2)	ND(10)	1300	520	20	ND(2)	19	
	9/13/2019	328.99	33.18	ND	ND	295.81	ND(2)	ND(2)	ND(2)	ND(6)	1700	500	40	ND(2)	27	
	11/21/2019	328.99	32.29	ND	ND	296.70	ND(2)	ND(2)	ND(2)	ND(6)	1500	320	55	ND(2)	26	
	2/26/2020	328.99	33.45	ND	ND	295.54	ND(1)	ND(1)	ND(1)	ND(3)	640	290	21	ND(1)	15	
	5/12/2020	328.99	32.76	ND	ND	296.23	ND(2)	ND(2)	ND(2)	ND(10)	870	300	27	ND(2)	20	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						-7	0	0	0	-61	-32	-49	0	-66	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-17D(147)	4/25/2014	328.84	33.41	ND	ND	295.43	ND(100)	ND(100)	ND(100)	ND(100)	98000	30000	2000	ND(100)	1500	CMT
	6/11/2014	328.84	31.96	ND	ND	296.88	ND(100)	ND(100)	ND(100)	ND(100)	82000	22000	1500	ND(100)	1200	
	9/3/2014	328.84	33.92	ND	ND	294.92	6	ND(1)	ND(1)	ND(1)	55000	16000	790	ND(1)	570	
	12/8/2014	328.84	37.99	ND	ND	290.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	328.84	NM	NM	NM	NM	ND(50)	ND(50)	ND(50)	ND(50)	70000	21000	1500	ND(50)	1000	
	3/10/2015	328.84	49.26	ND	ND	279.58	ND(50)	ND(50)	ND(50)	ND(50)	25000	9500	470	ND(50)	280	
	6/2/2015	328.84	35.87	ND	ND	292.97	ND(100)	ND(100)	ND(100)	ND(100)	56000	11000	960	ND(100)	650	
	9/1/2015	328.84	36.92	ND	ND	291.92	ND(50)	ND(50)	ND(50)	ND(50)	43000	13000	900	ND(50)	630	
	12/29/2015	328.84	37.52	ND	ND	291.32	ND(20)	ND(20)	ND(20)	ND(20)	13000	5400	170	ND(20)	230	
	3/17/2016	328.84	37.29	ND	ND	291.55	ND(1)	ND(1)	ND(1)	ND(1)	2600	3300	58	ND(1)	57	
	4/29/2016	328.84	34.26	ND	ND	294.58	ND(10)	ND(10)	ND(10)	ND(10)	3700	2400	41	ND(10)	44	
	8/16/2016	328.84	36.43	ND	ND	292.41	ND(1)	ND(1)	ND(1)	ND(1)	1100	2400	10	ND(1)	14	
	12/13/2016	328.84	36.38	ND	ND	292.46	ND(2)	ND(2)	ND(2)	ND(2)	3900	2000	49	ND(2)	64	
	3/13/2017	328.99	36.12	ND	ND	292.87	ND(5)	ND(5)	ND(5)	ND(5)	3000	1400	59	ND(5)	43	
	6/21/2017	328.99	36.08	ND	ND	292.91	ND(10)	ND(10)	ND(10)	ND(10)	7800	1400	170	ND(10)	98	
	8/28/2017	328.99	38.12	ND	ND	290.87	ND(1)	ND(1)	ND(1)	ND(1)	1600	1200	52	ND(1)	37	
	11/30/2017	328.99	38.44	ND	ND	290.55	ND(2)	ND(2)	ND(2)	ND(2)	2100	1400	47	ND(2)	39	
	3/8/2018	328.99	37.55	ND	ND	291.44	ND(10)	ND(10)	ND(10)	ND(10)	4600	1000	160	ND(10)	92	
	6/4/2018	328.99	36.18	ND	ND	292.81	ND(5)	ND(5)	ND(5)	ND(5)	2600	1000	47	ND(5)	37	
	9/5/2018	328.99	33.86	ND	ND	295.13	ND(5)	ND(5)	ND(5)	ND(25)	4400	650	170	ND(5)	95	
	12/3/2018	328.99	32.23	ND	ND	296.76	ND(5)	ND(5)	ND(5)	ND(25)	2700	890	73	ND(5)	38	
	3/14/2019	328.99	30.97	ND	ND	298.02	ND(5)	ND(5)	ND(5)	ND(25)	2300	500	65	ND(5)	34	
	5/30/2019	328.99	31.17	ND	ND	297.82	ND(5)	ND(5)	ND(5)	ND(25)	2700	510	110	ND(5)	57	
	9/13/2019	328.99	30.72	ND	ND	298.27	ND(5)	ND(5)	ND(5)	ND(15)	2500	450	110	ND(5)	60	
	11/21/2019	328.99	34.50	ND	ND	294.49	ND(5)	ND(5)	ND(5)	ND(15)	2000	590	45	ND(5)	30	
	2/26/2020	328.99	33.59	ND	ND	295.40	2	ND(1)	ND(1)	ND(3)	2100	580	85	ND(1)	47	
	5/12/2020	328.99	33.22	ND	ND	295.77	ND(2)	ND(2)	ND(2)	ND(10)	1200	82	44	ND(2)	27	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						13	0	0	0	-30	-98	5	0	-19	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-18D	5/10/2013	334.88	40.57	ND	ND	294.31	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Open from 97-136'
	6/6/2013	334.88	40.69	ND	ND	294.19	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	334.88	41.60	ND	ND	293.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2014	334.88	38.94	ND	ND	295.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/18/2014	334.88	36.04	ND	ND	298.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	334.88	38.14	ND	ND	296.74	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	334.88	42.23	ND	ND	292.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	334.88	42.19	ND	ND	292.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	334.88	40.72	ND	ND	294.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	334.88	42.77	ND	ND	292.11	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	334.88	43.90	ND	ND	290.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	334.88	41.29	ND	ND	293.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	334.88	39.45	ND	ND	295.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/17/2016	334.88	41.24	ND	ND	293.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	334.88	42.47	ND	ND	292.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	334.88	42.57	ND	ND	292.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	334.88	42.06	ND	ND	292.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	334.88	43.39	ND	ND	291.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	334.88	44.12	ND	ND	290.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	334.88	43.70	ND	ND	291.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	334.88	41.96	ND	ND	292.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	334.88	38.83	ND	ND	296.05	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	334.88	36.77	ND	ND	298.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	334.88	34.70	ND	ND	300.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	334.88	34.94	ND	ND	299.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/17/2019	334.88	38.10	ND	ND	296.78	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	334.88	39.60	ND	ND	295.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	334.88	39.36	ND	ND	295.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-18D	5/14/2020	334.88	38.64	ND	ND	296.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic										0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-19D	3/28/2014	341.91	43.16	ND	ND	298.75	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	6/20/2014	341.91	41.11	ND	ND	300.80	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	9/4/2014	341.91	43.36	ND	ND	298.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/9/2014	341.91	47.56	ND	ND	294.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/2015	341.91	48.76	ND	ND	293.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/4/2015	341.91	47.39	ND	ND	294.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/2/2015	341.91	49.27	ND	ND	292.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/2/2015	341.91	50.59	ND	ND	291.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/16/2016	341.91	47.40	ND	ND	294.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/2/2016	341.91	44.21	ND	ND	297.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/19/2016	341.91	47.35	ND	ND	294.56	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	12/13/2016	341.91	46.78	ND	ND	295.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/13/2017	341.91	46.51	ND	ND	295.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/22/2017	341.91	47.23	ND	ND	294.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/28/2017	341.91	48.84	ND	ND	293.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)
	11/30/2017	341.91	49.41	ND	ND	292.50	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/8/2018	341.91	39.48	ND	ND	302.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/4/2018	341.91	46.84	ND	ND	295.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/6/2018	341.91	43.25	ND	ND	298.66	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)
	12/3/2018	341.91	41.53	ND	ND	300.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/14/2019	341.91	39.70	ND	ND	302.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/2019	341.91	39.92	ND	ND	301.99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/16/2019	341.91	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Well Abandoned 5/31/2019
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-20D(73-83)	4/11/2014	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	72	32	2	ND(1)	ND(1)	
	7/10/2014	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	100	28	3	ND(1)	ND(1)	
	8/26/2014	329.57	31.26	ND	ND	298.31	ND(1)	ND(1)	ND(1)	ND(1)	100	34	2	ND(1)	ND(1)	
	9/2/2014	329.57	33.62	ND	ND	295.95	ND(1)	ND(1)	ND(1)	ND(1)	120	27	3	ND(1)	1	
	12/9/2014	329.57	36.52	ND	ND	293.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.57	38.02	ND	ND	291.55	ND(2)	ND(2)	ND(2)	ND(2)	740	340	15	ND(2)	8	
	3/27/2015	329.57	37.51	ND	ND	292.06	ND(1)	ND(1)	ND(1)	ND(1)	1400	480	24	ND(1)	18	
	5/6/2015	329.57	36.48	ND	ND	293.09	ND(1)	ND(1)	ND(1)	ND(1)	980	280	15	ND(1)	9	
	6/1/2015	329.57	36.52	ND	ND	293.05	ND(2)	ND(2)	ND(2)	ND(2)	940	190	16	ND(2)	10	
	9/1/2015	329.57	38.69	ND	ND	290.88	ND(1)	ND(1)	ND(1)	ND(1)	990	360	19	ND(1)	11	
	12/1/2015	329.57	38.97	ND	ND	290.60	ND(1)	ND(1)	ND(1)	ND(1)	900	400	15	ND(1)	11	
	3/17/2016	329.57	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	680	250	12	ND(1)	8	
	4/29/2016	329.57	35.41	ND	ND	294.16	ND(1)	ND(1)	ND(1)	ND(1)	670	190	13	ND(1)	5	
	8/19/2016	329.57	36.56	ND	ND	293.01	2	ND(1)	ND(1)	ND(1)	740	150	14	ND(1)	8	
	12/13/2016	329.57	37.70	ND	ND	291.87	ND(1)	ND(1)	ND(1)	ND(1)	570	180	8	ND(1)	5	
	3/13/2017	329.57	38.41	ND	ND	291.16	ND(1)	ND(1)	ND(1)	ND(1)	400	190	6	ND(1)	3	
	6/22/2017	329.57	38.31	ND	ND	291.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.57	38.85	ND	ND	290.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.57	39.46	ND	ND	290.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.57	39.90	ND	ND	289.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.57	37.43	ND	ND	292.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.57	35.13	ND	ND	294.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.57	32.57	ND	ND	297.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.57	31.20	ND	ND	298.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.57	35.53	ND	ND	294.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	329.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-20D(73-83)	5/14/2020	329.57	34.80	ND	ND	294.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic										N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-20D(90-100)	4/11/2014	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	55	24	1	ND(1)	ND(1)	
	7/10/2014	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	73	21	2	ND(1)	ND(1)	
	8/26/2014	329.58	32.88	ND	ND	296.70	ND(1)	ND(1)	ND(1)	ND(1)	75	26	1	ND(1)	ND(1)	
	9/2/2014	329.58	34.25	ND	ND	295.33	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	329.58	37.24	ND	ND	292.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.58	38.22	ND	ND	291.36	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	6/1/2015	329.58	36.72	ND	ND	292.86	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/1/2015	329.58	38.82	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	329.58	39.42	ND	ND	290.16	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/17/2016	329.58	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	4/29/2016	329.58	35.63	ND	ND	293.95	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	8/19/2016	329.58	37.30	ND	ND	292.28	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	329.58	38.82	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/13/2017	329.58	39.03	ND	ND	290.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	329.58	38.46	ND	ND	291.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.58	39.40	ND	ND	290.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.58	40.32	ND	ND	289.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.58	40.00	ND	ND	289.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.58	37.78	ND	ND	291.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.58	34.98	ND	ND	294.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.58	32.60	ND	ND	296.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.58	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.58	31.00	ND	ND	298.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.58	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.58	36.02	ND	ND	293.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	329.58	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	329.58	35.00	ND	ND	294.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-20D(132-142)	4/11/2014	329.56	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	ND(1)	ND(1)	ND(1)	
	7/10/2014	329.56	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	55	ND(20)	1	ND(1)	ND(1)	
	8/26/2014	329.56	33.85	ND	ND	295.71	ND(1)	ND(1)	ND(1)	ND(1)	130	42	2	ND(1)	1	
	9/2/2014	329.56	34.36	ND	ND	295.20	ND(1)	ND(1)	ND(1)	ND(1)	100	38	3	ND(1)	ND(1)	
	12/9/2014	329.56	38.19	ND	ND	291.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	329.56	38.26	ND	ND	291.30	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/1/2015	329.56	36.73	ND	ND	292.83	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	ND(1)	ND(1)	ND(1)	
	9/1/2015	329.56	38.80	ND	ND	290.76	ND(1)	ND(1)	ND(1)	ND(1)	7	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	329.56	39.79	ND	ND	289.77	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/17/2016	329.56	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	4/29/2016	329.56	35.64	ND	ND	293.92	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	8/19/2016	329.56	37.36	ND	ND	292.20	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	329.56	38.78	ND	ND	290.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/13/2017	329.56	38.94	ND	ND	290.62	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	329.56	38.38	ND	ND	291.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.56	39.44	ND	ND	290.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.56	40.30	ND	ND	289.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.56	40.03	ND	ND	289.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.56	37.77	ND	ND	291.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.56	34.98	ND	ND	294.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.56	34.53	ND	ND	295.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.56	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.56	31.05	ND	ND	298.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.56	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.56	36.04	ND	ND	293.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	329.56	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	329.56	34.97	ND	ND	294.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-21S	4/11/2014	329.69	33.65	ND	ND	296.04	ND(10)	ND(10)	ND(10)	ND(10)	7500	6200	79	ND(10)	78	Screened from 26-46'
	6/18/2014	329.69	31.42	ND	ND	298.27	ND(1)	ND(1)	ND(1)	ND(1)	53	ND(20)	1	ND(1)	ND(1)	
	9/16/2014	329.69	34.26	ND	ND	295.43	ND(1)	ND(1)	ND(1)	ND(1)	130	31	4	ND(1)	1	
	12/10/2014	329.69	37.30	ND	ND	292.39	ND(1)	ND(1)	ND(1)	ND(1)	780	320	20	ND(1)	8	
	3/11/2015	329.69	37.33	ND	ND	292.36	ND(2)	ND(2)	ND(2)	ND(2)	910	610	17	ND(2)	8	
	6/3/2015	329.69	35.74	ND	ND	293.95	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/4/2015	329.69	37.78	ND	ND	291.91	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	3	ND(1)	ND(1)	
	12/1/2015	329.69	38.98	ND	ND	290.71	ND(1)	ND(1)	ND(1)	ND(1)	1500	890	23	ND(1)	16	
	3/17/2016	329.69	36.24	ND	ND	293.45	ND(1)	ND(1)	ND(1)	ND(1)	1400	760	18	ND(1)	16	
	5/4/2016	329.69	34.54	ND	ND	295.15	ND(2)	ND(2)	ND(2)	3	2400	900	30	ND(2)	22	
	8/19/2016	329.69	36.24	ND	ND	293.45	ND(1)	ND(1)	ND(1)	ND(1)	670	150	10	ND(1)	7	
	12/15/2016	329.69	38.03	ND	ND	291.66	ND(2)	ND(2)	ND(2)	ND(2)	1400	710	17	ND(2)	12	
	3/16/2017	329.69	38.24	ND	ND	291.45	ND(2)	ND(2)	ND(2)	ND(2)	1100	440	19	ND(2)	11	
	6/22/2017	329.69	37.43	ND	ND	292.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.69	38.52	ND	ND	291.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.69	39.55	ND	ND	290.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.69	39.10	ND	ND	290.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.69	36.95	ND	ND	292.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.69	34.05	ND	ND	295.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.69	31.43	ND	ND	298.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.69	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.69	29.88	ND	ND	299.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.69	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.69	35.08	ND	ND	294.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	329.69	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	329.69	34.05	ND	ND	295.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-21I	4/11/2014	329.71	33.71	ND	ND	296.00	ND(2)	ND(2)	ND(2)	ND(2)	2500	1700	31	ND(2)	28	Screened from 56-66'
	6/18/2014	329.71	31.52	ND	ND	298.19	ND(1)	ND(1)	ND(1)	ND(1)	1700	910	26	ND(1)	18	
	9/16/2014	329.71	34.35	ND	ND	295.36	ND(1)	ND(1)	ND(1)	ND(1)	2100	1500	29	ND(1)	26	
	12/10/2014	329.71	37.40	ND	ND	292.31	ND(1)	ND(1)	ND(1)	ND(1)	1900	1400	29	ND(1)	24	
	3/11/2015	329.71	37.40	ND	ND	292.31	ND(2)	ND(2)	ND(2)	ND(2)	1300	1000	22	ND(2)	15	
	5/6/2015	329.71	35.89	ND	ND	293.82	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	4	ND(1)	ND(1)		
	6/3/2015	329.71	35.81	ND	ND	293.90	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/4/2015	329.71	37.88	ND	ND	291.83	ND(2)	ND(2)	ND(2)	ND(2)	2300	1500	24	ND(2)	23	
	12/2/2015	329.71	39.04	ND	ND	290.67	ND(2)	ND(2)	ND(2)	ND(2)	2100	1400	23	ND(2)	22	
	3/17/2016	329.71	36.52	ND	ND	293.19	ND(1)	ND(1)	ND(1)	ND(1)	1300	880	20	ND(1)	17	
	5/3/2016	329.71	34.75	ND	ND	294.96	ND(1)	ND(1)	ND(1)	ND(1)	630	220	15	ND(1)	6	
	8/19/2016	329.71	36.37	ND	ND	293.34	ND(1)	ND(1)	ND(1)	ND(1)	1400	510	20	ND(1)	16	
	12/15/2016	329.71	38.10	ND	ND	291.61	ND(1)	ND(1)	ND(1)	ND(1)	220	33	8	ND(1)	2	
	3/16/2017	329.71	38.20	ND	ND	291.51	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	6	ND(1)	ND(1)	
	6/22/2017	329.71	37.48	ND	ND	292.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.71	38.60	ND	ND	291.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.71	39.44	ND	ND	290.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.71	39.25	ND	ND	290.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.71	36.97	ND	ND	292.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.71	34.12	ND	ND	295.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.71	31.53	ND	ND	298.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.71	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.71	30.03	ND	ND	299.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.71	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.71	35.18	ND	ND	294.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	329.71	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	329.71	34.10	ND	ND	295.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-22	4/11/2014	320.97	28.55	ND	ND	292.42	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	Screened from 20-40'
	6/18/2014	320.97	25.75	ND	ND	295.22	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/2/2014	320.97	27.48	ND	ND	293.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/9/2014	320.97	30.54	ND	ND	290.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	320.97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	320.97	28.49	ND	ND	292.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	320.97	30.29	ND	ND	290.68	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/2/2015	320.97	31.76	ND	ND	289.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	320.97	29.04	ND	ND	291.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	320.97	28.32	ND	ND	292.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	320.97	29.38	ND	ND	291.59	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/13/2016	320.97	32.49	ND	ND	288.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	320.97	33.06	ND	ND	287.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	320.97	31.59	ND	ND	289.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	320.97	32.16	ND	ND	288.81	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	11/30/2017	320.97	33.47	ND	ND	287.50	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	320.97	33.60	ND	ND	287.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	320.97	30.85	ND	ND	290.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	320.97	27.11	ND	ND	293.86	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	320.97	24.65	ND	ND	296.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	320.97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	320.97	22.63	ND	ND	298.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	320.97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	320.97	28.97	ND	ND	292.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	320.97	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	320.97	27.86	ND	ND	293.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-23D	5/19/2014	324.81	27.72	ND	ND	297.09	ND(10)	ND(10)	ND(10)	ND(10)	8000	1800	260	ND(10)	120	Screened from 90-100'
	6/10/2014	324.81	27.34	ND	ND	297.47	ND(20)	ND(20)	ND(20)	ND(20)	11000	2200	340	ND(20)	180	
	6/19/2014	324.81	27.19	ND	ND	297.62	ND(10)	ND(10)	ND(10)	ND(10)	5100	ND(200)	130	ND(10)	57	
	8/20/2014	324.81	28.42	ND	ND	296.39	ND(10)	ND(10)	ND(10)	ND(10)	10000	2100	270	ND(10)	140	
	9/3/2014	324.81	29.86	ND	ND	294.95	ND(20)	ND(20)	ND(20)	ND(20)	9300	1700	280	ND(20)	130	
	9/22/2014	324.81	32.83	ND	ND	291.98	ND(5)	ND(5)	ND(5)	ND(5)	4600	950	NA	NA	NA	
	10/21/2014	324.81	33.46	ND	ND	291.35	ND(10)	ND(10)	ND(10)	ND(10)	4100	790	120	ND(10)	68	
	12/10/2014	324.81	34.79	ND	ND	290.02	ND(1)	ND(1)	ND(1)	ND(1)	400	24	21	ND(1)	6	
	3/11/2015	324.81	33.63	ND	ND	291.18	ND(1)	27	ND(1)	2	200	32	11	ND(1)	2	
	6/3/2015	324.81	32.59	ND	ND	292.22	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	3	ND(1)	ND(1)	
	9/4/2015	324.81	35.85	ND	ND	288.96	ND(1)	ND(1)	ND(1)	ND(1)	53	ND(20)	4	ND(1)	ND(1)	
	12/2/2015	324.81	35.39	ND	ND	289.42	ND(1)	1	ND(1)	ND(1)	120	ND(20)	3	ND(1)	1	
	2/12/2016	324.81	31.55	ND	ND	293.26	ND(1)	ND(1)	ND(1)	ND(1)	87	ND(20)	3	ND(1)	ND(1)	
	3/16/2016	324.81	33.78	ND	ND	291.03	ND(1)	ND(1)	ND(1)	ND(1)	16	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	324.81	29.94	ND	ND	294.87	ND(1)	ND(1)	ND(1)	ND(1)	36	ND(20)	2	ND(1)	ND(1)	
	8/18/2016	324.81	34.12	ND	ND	290.69	ND(1)	ND(1)	ND(1)	ND(1)	70	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	324.81	32.20	ND	ND	292.61	ND(1)	ND(1)	ND(1)	ND(1)	67	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	324.81	31.87	ND	ND	292.94	ND(1)	ND(1)	ND(1)	ND(1)	47	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	324.81	33.05	ND	ND	291.76	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	8/29/2017	324.81	35.31	ND	ND	289.50	ND(1)	2	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2017	324.81	34.90	ND	ND	289.91	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	324.81	33.61	ND	ND	291.20	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	324.81	32.41	ND	ND	292.40	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/6/2018	324.81	29.43	ND	ND	295.38	ND(1)	ND(1)	ND(1)	ND(5)	4	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	324.81	27.51	ND	ND	297.30	ND(1)	ND(1)	ND(1)	ND(5)	2	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	324.81	26.19	ND	ND	298.62	ND(1)	ND(1)	ND(1)	ND(5)	3	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	324.81	26.40	ND	ND	298.41	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	9/16/2019	324.81	29.05	ND	ND	295.76	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-23D	11/21/2019	324.81	29.11	ND	ND	295.70	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	2/26/2020	324.81	29.57	ND	ND	295.24	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/14/2020	324.81	28.91	ND	ND	295.90	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
Mann-Kendall Statistic						0	-7	0	0	-63	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-24	4/11/2014	324.49	27.66	ND	ND	296.83	ND(1)	1	ND(1)	ND(1)	29	ND(20)	1	ND(1)	ND(1)	Screened from 50-60'
	6/18/2014	324.49	26.39	ND	ND	298.10	ND(1)	ND(1)	ND(1)	ND(1)	21	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	324.49	29.30	ND	ND	295.19	ND(1)	ND(1)	ND(1)	ND(1)	21	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	324.49	33.93	ND	ND	290.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	324.49	33.66	ND	ND	290.83	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	6/3/2015	324.49	32.51	ND	ND	291.98	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/4/2015	324.49	35.15	ND	ND	289.34	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	324.49	35.09	ND	ND	289.40	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	324.49	33.35	ND	ND	291.14	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	324.49	29.28	ND	ND	295.21	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	8/18/2016	324.49	33.25	ND	ND	291.24	ND(1)	ND(1)	ND(1)	ND(1)	10	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	324.49	31.57	ND	ND	292.92	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	324.49	31.22	ND	ND	293.27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	324.49	32.39	ND	ND	292.10	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	
	8/29/2017	324.49	34.90	ND	ND	289.59	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2017	324.49	34.43	ND	ND	290.06	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/8/2018	324.49	33.45	ND	ND	291.04	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	6/4/2018	324.49	31.95	ND	ND	292.54	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/6/2018	324.49	28.73	ND	ND	295.76	ND(1)	ND(1)	ND(1)	ND(5)	2	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	324.49	26.78	ND	ND	297.71	ND(1)	ND(1)	ND(1)	ND(5)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	324.49	25.34	ND	ND	299.15	ND(1)	ND(1)	ND(1)	ND(5)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	324.49	25.62	ND	ND	298.87	ND(1)	ND(1)	ND(1)	ND(5)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	9/16/2019	324.49	28.22	ND	ND	296.27	ND(1)	ND(1)	ND(1)	ND(5)	1	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	324.49	29.33	ND	ND	295.16	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	2/26/2020	324.49	28.83	ND	ND	295.66	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/14/2020	324.49	28.18	ND	ND	296.31	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-62	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-25D(90)	8/20/2014	323.92	22.06	ND	ND	301.86	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/2/2014	317.18	22.63	ND	ND	294.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/9/2014	317.18	25.04	ND	ND	292.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/10/2015	317.18	23.25	ND	ND	293.93	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/2/2015	317.18	23.76	ND	ND	293.42	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/2/2015	317.18	26.12	ND	ND	291.06	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/1/2015	317.18	37.27	ND	ND	279.91	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/16/2016	317.18	24.33	ND	ND	292.85	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	5/2/2016	317.18	22.37	ND	ND	294.81	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	8/17/2016	317.18	25.27	ND	ND	291.91	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/14/2016	317.18	24.50	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/16/2017	317.18	24.11	ND	ND	293.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/22/2017	317.18	24.40	ND	ND	292.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	8/28/2017	317.18	25.40	ND	ND	291.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/1/2017	317.18	25.94	ND	ND	291.24	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/8/2018	317.18	25.20	ND	ND	291.98	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/4/2018	317.18	23.60	ND	ND	293.58	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/6/2018	317.18	22.22	ND	ND	294.96	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	317.18	20.46	ND	ND	296.72	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	317.18	19.13	ND	ND	298.05	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	317.18	19.80	ND	ND	297.38	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	9/17/2019	317.18	22.35	ND	ND	294.83	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	317.18	23.04	ND	ND	294.14	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	2/26/2020	317.18	22.33	ND	ND	294.85	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	5/14/2020	317.18	21.71	ND	ND	295.47	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-26D(78)	8/26/2014	295.13	2.63	ND	ND	292.50	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	9/2/2014	295.13	2.68	ND	ND	292.45	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/9/2014	295.13	2.46	ND	ND	292.67	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	3/10/2015	295.13	1.98	ND	ND	293.15	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	6/4/2015	295.13	1.82	ND	ND	293.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	295.13	2.08	ND	ND	293.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/2/2015	295.13	3.52	ND	ND	291.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	295.13	1.97	ND	ND	293.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	295.13	1.65	ND	ND	293.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	295.13	3.43	ND	ND	291.70	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	12/13/2016	295.13	3.59	ND	ND	291.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	295.13	3.33	ND	ND	291.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	295.13	3.19	ND	ND	291.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	295.13	3.62	ND	ND	291.51	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	
	11/30/2017	295.13	3.73	ND	ND	291.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	295.13	2.81	ND	ND	292.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	295.13	2.17	ND	ND	292.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	295.13	2.01	ND	ND	293.12	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	12/3/2018	295.13	1.51	ND	ND	293.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	295.13	0.85	ND	ND	294.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	295.13	0.92	ND	ND	294.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/17/2019	295.13	2.09	ND	ND	293.04	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	
	11/21/2019	295.13	2.45	ND	ND	292.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	295.13	2.02	ND	ND	293.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	295.13	1.65	ND	ND	293.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-27S	8/26/2014	323.40	28.42	ND	ND	294.98	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	9/2/2014	323.40	28.88	ND	ND	294.52	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	323.40	32.28	ND	ND	291.12	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	3/11/2015	323.40	32.35	ND	ND	291.05	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	6/3/2015	323.40	30.72	ND	ND	292.68	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2015	323.40	32.46	ND	ND	290.94	ND(1)	ND(1)	ND(1)	7	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	323.40	33.80	ND	ND	289.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	323.40	30.99	ND	ND	292.41	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	323.40	29.95	ND	ND	293.45	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	8/18/2016	323.40	31.33	ND	ND	292.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	323.40	32.42	ND	ND	290.98	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	323.40	33.77	ND	ND	289.63	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	323.40	32.77	ND	ND	290.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	323.40	33.62	ND	ND	289.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	323.40	34.64	ND	ND	288.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	323.40	34.50	ND	ND	288.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	323.40	32.13	ND	ND	291.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	323.40	29.26	ND	ND	294.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	323.40	26.72	ND	ND	296.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	323.40	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	323.40	24.92	ND	ND	298.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	323.40	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	323.40	30.43	ND	ND	292.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	323.40	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	323.40	29.41	ND	ND	293.99	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
MW-27I	8/26/2014	323.35	28.26	ND	ND	295.09	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	9/2/2014	323.35	27.69	ND	ND	295.66	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	323.35	32.31	ND	ND	291.04	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	3/11/2015	323.35	32.39	ND	ND	290.96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/3/2015	323.35	30.75	ND	ND	292.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)
	9/3/2015	323.35	32.41	ND	ND	290.94	ND(1)	ND(1)	3	38	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	323.35	33.42	ND	ND	289.93	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	323.35	31.01	ND	ND	292.34	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	323.35	29.86	ND	ND	293.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	8/18/2016	323.35	31.29	ND	ND	292.06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	323.35	33.39	ND	ND	289.96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	323.35	33.73	ND	ND	289.62	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	323.35	32.78	ND	ND	290.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/29/2017	323.35	33.71	ND	ND	289.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	11/30/2017	323.35	34.30	ND	ND	289.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	323.35	34.60	ND	ND	288.75	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	323.35	32.23	ND	ND	291.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	323.35	29.40	ND	ND	293.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	323.35	26.68	ND	ND	296.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	323.35	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	323.35	24.83	ND	ND	298.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	323.35	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	323.35	30.25	ND	ND	293.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	323.35	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	323.35	29.27	ND	ND	294.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	0	0	0	0	0	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
PW-1(65)	8/17/2009	334.54	NM	NM	NM	NM	0.76	ND(0.50)	ND(0.50)	0.46 J	1320	80.9	148	ND(0.50)	36.8	Abandoned to 75' (Nov 2011)
	10/16/2009	334.54	NM	NM	NM	NM	8	ND	ND	8.4	2520	NA	NA	NA	NA	Open from 55-75'
	6/22/2010	334.54	34.47	ND	ND	300.07	8	ND(0.7)	ND(0.8)	7	1600	NA	NA	NA	NA	
	9/30/2010	334.54	36.84	ND	ND	297.70	9	ND(0.7)	ND(0.8)	5	1600	NA	NA	NA	NA	
	12/16/2010	334.54	36.51	ND	ND	298.03	6	ND(1)	ND(2)	5	1700	NA	NA	NA	NA	
	5/24/2011	334.54	35.87	ND	ND	298.67	8 J	ND(4)	ND(4)	4 J	2100	NA	NA	NA	NA	
	9/2/2011	334.54	38.61	ND	ND	295.93	6	ND(0.7)	ND(0.8)	3 J	1800	NA	NA	NA	NA	Abandoned to 75' (Nov 2011)
	12/22/2011	334.54	36.37	ND	ND	298.17	4 J	ND(4)	ND(4)	ND(4)	1300	NA	NA	NA	NA	
	6/1/2012	334.54	36.82	ND	ND	297.72	3 J	ND(1)	ND(2)	ND(2)	860	NA	NA	NA	NA	
	2/25/2013	334.54	38.28	ND	ND	296.26	ND(5)	ND(5)	ND(5)	ND(5)	800	110	140	ND(5)	51	
	6/6/2013	334.54	37.41	ND	ND	297.13	3 J	ND(0.7)	ND(0.8)	ND(0.8)	1200	NA	NA	NA	NA	
	12/19/2013	334.54	38.60	ND	ND	295.94	ND(25)	ND(25)	ND(25)	ND(25)	4700	630	280	ND(25)	140	
	3/25/2014	334.54	36.19	ND	ND	298.35	ND(10)	ND(10)	ND(10)	ND(10)	6900	1000	290	ND(10)	180	
	6/19/2014	334.54	34.23	ND	ND	300.31	ND(5)	ND(5)	ND(5)	ND(5)	3300	420	170	ND(5)	76	
	9/10/2014	334.54	36.96	ND	ND	297.58	ND(10)	ND(10)	ND(10)	ND(10)	4600	370	210	ND(10)	120	
	12/10/2014	334.54	42.23	ND	ND	292.31	1	ND(1)	ND(1)	ND(1)	890	110	130	ND(1)	40	
	3/12/2015	334.54	43.30	ND	ND	291.24	ND(1)	ND(1)	ND(1)	ND(1)	460	70	100	ND(1)	21	
	6/3/2015	334.54	41.52	ND	ND	293.02	ND(1)	ND(1)	ND(1)	ND(1)	360	ND(20)	75	ND(1)	13	
	9/4/2015	334.54	43.42	ND	ND	291.12	ND(1)	ND(1)	ND(1)	ND(1)	150	29	36	ND(1)	4	
	12/1/2015	334.54	56.30	ND	ND	278.24	ND(1)	ND(1)	ND(1)	ND(1)	25	ND(20)	10	ND(1)	ND(1)	
	3/17/2016	334.54	41.23	ND	ND	293.31	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	9	ND(1)	ND(1)	
	5/3/2016	334.54	37.43	ND	ND	297.11	ND(1)	ND(1)	ND(1)	ND(1)	41	ND(20)	10	ND(1)	ND(1)	
	8/17/2016	334.54	41.04	ND	ND	293.50	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	5	ND(1)	ND(1)	
	12/14/2016	334.54	39.76	ND	ND	294.78	ND(1)	ND(1)	ND(1)	ND(1)	42	ND(20)	4	ND(1)	1	
	3/13/2017	333.25	38.19	ND	ND	295.06	ND(1)	ND(1)	ND(1)	ND(1)	42	ND(20)	6	ND(1)	1	
	6/22/2017	333.25	38.89	ND	ND	294.36	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	3	ND(1)	ND(1)	
	9/1/2017	333.25	40.79	ND	ND	292.46	ND(1)	ND(1)	ND(1)	ND(1)	30	ND(20)	3	ND(1)	ND(1)	
	12/1/2017	333.25	41.26	ND	ND	291.99	ND(1)	ND(1)	ND(1)	ND(1)	32	ND(20)	4	ND(1)	ND(1)	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
PW-1(65)	3/8/2018	333.25	40.45	ND	ND	292.80	ND(1)	ND(1)	ND(1)	ND(1)	24	ND(20)	3	ND(1)	ND(1)	
	6/4/2018	333.25	38.69	ND	ND	294.56	ND(1)	ND(1)	ND(1)	ND(1)	15	ND(20)	2	ND(1)	ND(1)	
	9/6/2018	333.25	35.23	ND	ND	298.02	ND(1)	ND(1)	ND(1)	ND(5)	12	ND(25)	1	ND(1)	ND(1)	
	12/3/2018	333.25	33.28	ND	ND	299.97	ND(1)	ND(1)	ND(1)	ND(5)	7	ND(25)	ND(1)	ND(1)	ND(1)	
	3/14/2019	333.25	31.59	ND	ND	301.66	ND(1)	ND(1)	ND(1)	ND(5)	6	ND(25)	ND(1)	ND(1)	ND(1)	
	5/31/2019	333.25	31.68	ND	ND	301.57	ND(1)	ND(1)	ND(1)	ND(5)	10	ND(25)	1	ND(1)	ND(1)	
	9/17/2019	333.25	34.65	ND	ND	298.60	ND(1)	ND(1)	ND(1)	ND(5)	18	ND(25)	3	ND(1)	ND(1)	
	11/21/2019	333.25	35.95	ND	ND	297.30	ND(1)	ND(1)	ND(1)	ND(3)	22	ND(25)	2	ND(1)	ND(1)	
	2/26/2020	333.25	35.57	ND	ND	297.68	ND(1)	ND(1)	ND(1)	ND(3)	13	ND(25)	2	ND(1)	ND(1)	
	5/14/2020	333.25	34.83	ND	ND	298.42	ND(1)	ND(1)	ND(1)	ND(5)	20	ND(25)	2	ND(1)	ND(1)	
Mann-Kendall Statistic							0	0	0	0	-62	0	-59	0	-24	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
RW-1	3/24/2014	328.31	30.91	ND	ND	297.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	Screened from 21-91'
	6/19/2014	328.31	28.14	ND	ND	300.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/20/2014	328.31	30.26	ND	ND	298.05	ND(20)	ND(20)	ND(20)	ND(20)	19000	3800	420	ND(20)	220	
	12/11/2014	328.31	58.61	ND	ND	269.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	328.31	44.47	ND	ND	283.84	ND(20)	ND(20)	ND(20)	ND(20)	7200	1800	200	ND(20)	100	
	6/1/2015	328.31	NM	NM	NM	NM	ND(10)	ND(10)	ND(10)	ND(10)	4700	550	140	ND(10)	71	
	8/17/2015	328.31	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	ND(5)	4500	NA	NA	NA	NA	
	8/31/2015	328.31	54.69	ND	ND	273.62	ND(10)	ND(10)	ND(10)	ND(10)	4400	810	120	ND(10)	63	
	12/1/2015	328.31	NM	NM	NM	NM	2	ND(1)	ND(1)	ND(1)	3900	740	100	ND(1)	66	
	2/12/2016	328.31	34.18	ND	ND	294.13	ND(10)	ND(10)	ND(10)	ND(10)	2600	440	56	ND(10)	33	
	3/17/2016	328.31	NM	NM	NM	NM	1	ND(1)	ND(1)	ND(1)	2400	260	66	ND(1)	38	
	5/6/2016	NM	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	5	5800	860	150	ND(5)	88	
	8/16/2016	328.31	34.77	ND	ND	293.54	ND(5)	ND(5)	ND(5)	ND(5)	1900	270	56	ND(5)	24	
	12/13/2016	328.31	34.77	ND	ND	293.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	328.52	34.45	ND	ND	294.07	ND(1)	ND(1)	ND(1)	ND(1)	660	78	23	ND(1)	9	
	6/22/2017	328.52	44.33	ND	ND	284.19	ND(1)	ND(1)	ND(1)	ND(1)	1700	150	41	ND(1)	20	
	8/28/2017	328.52	45.08	ND	ND	283.44	ND(1)	ND(1)	ND(1)	ND(1)	900	58	32	ND(1)	13	
	11/30/2017	328.52	44.74	ND	ND	283.78	ND(1)	ND(1)	ND(1)	ND(1)	530	56	28	ND(1)	6	
	3/8/2018	328.52	43.83	ND	ND	284.69	ND(1)	ND(1)	ND(1)	ND(1)	280	43	21	ND(1)	3	
	6/4/2018	328.52	40.58	ND	ND	287.94	ND(1)	ND(1)	ND(1)	ND(1)	430	45	16	ND(1)	6	
	9/6/2018	328.52	31.82	ND	ND	296.70	ND(1)	ND(1)	ND(1)	ND(5)	760	100	33	ND(1)	10	
	12/3/2018	328.52	29.79	ND	ND	298.73	ND(2)	ND(2)	ND(2)	ND(10)	1200	180	42	ND(2)	12	
	3/14/2019	328.52	28.33	ND	ND	300.19	ND(1)	ND(1)	ND(1)	ND(5)	300	26	10	ND(1)	3	
	5/31/2019	328.52	28.43	ND	ND	300.09	ND(1)	ND(1)	ND(1)	ND(5)	39	ND(25)	2	ND(1)	ND(1)	
	9/17/2019	328.52	31.27	ND	ND	297.25	ND(1)	ND(1)	ND(1)	ND(5)	210	ND(25)	9	ND(1)	3	
	11/21/2019	328.52	32.41	ND	ND	296.11	ND(2)	ND(2)	ND(2)	ND(6)	1400	200	45	ND(2)	18	
	2/26/2020	328.52	32.04	ND	ND	296.48	ND(1)	ND(1)	ND(1)	ND(3)	95	ND(25)	4	ND(1)	1	
	5/14/2020	328.52	31.22	ND	ND	297.30	ND(1)	ND(1)	ND(1)	ND(5)	470	82	18	ND(1)	7	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						0	0	0	0	-41	-34	-39	0	-39	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-1	1/18/2003	328.53	33.83	ND	ND	294.70	ND(5)	ND(5)	ND(5)	ND(10)	13000	9100	81	ND(5)	240	Screened from 10-40'
	8/5/2008	328.53	34.81	ND	ND	293.72	9.6	ND(5.0)	ND(5.0)	ND(5.0)	5200	NA	NA	NA	NA	
	6/7/2013	328.53	34.52	ND	ND	294.01	ND(10)	ND(14)	ND(16)	ND(16)	26000	NA	NA	NA	NA	
	12/19/2013	328.53	36.11	ND	ND	292.42	ND(100)	ND(100)	ND(100)	ND(100)	13000	6900	150	ND(100)	130	
	3/25/2014	328.53	33.50	ND	ND	295.03	ND(25)	ND(25)	ND(25)	ND(25)	16000	15000	170	ND(25)	170	
	6/19/2014	328.53	29.91	ND	ND	298.62	ND(50)	ND(50)	ND(50)	ND(50)	15000	13000	130	ND(50)	140	
	9/3/2014	328.53	31.77	ND	ND	296.76	ND(20)	ND(20)	ND(20)	ND(20)	13000	8900	95	ND(20)	100	
	12/10/2014	328.53	36.07	ND	ND	292.46	ND(20)	ND(20)	ND(20)	ND(20)	18000	14000	170	ND(20)	170	
	3/12/2015	328.53	35.89	ND	ND	292.64	ND(20)	ND(20)	ND(20)	ND(20)	11000	9100	120	ND(20)	110	
	6/4/2015	328.53	34.34	ND	ND	294.19	ND(50)	ND(50)	ND(50)	ND(50)	8800	4700	98	ND(50)	84	
	9/4/2015	328.53	36.46	ND	ND	292.07	ND(10)	ND(10)	ND(10)	ND(10)	11000	7800	94	ND(10)	89	
	12/2/2015	328.53	37.57	ND	ND	290.96	ND(10)	ND(10)	ND(10)	ND(10)	16000	16000	140	ND(10)	160	
	2/12/2016	328.53	36.02	ND	ND	292.51	ND(10)	ND(10)	ND(10)	ND(10)	10000	8200	94	ND(10)	90	
	3/17/2016	328.53	34.72	ND	ND	293.81	ND(1)	ND(1)	ND(1)	ND(1)	9800	7800	110	4	100	
	5/4/2016	328.53	33.16	ND	ND	295.37	ND(10)	ND(10)	ND(10)	ND(10)	13000	8100	140	ND(10)	110	
	6/27/2016	328.53	34.09	ND	ND	294.44	ND(5)	ND(5)	ND(5)	ND(5)	6400	NA	NA	NA	NA	
	8/19/2016	328.53	35.04	ND	ND	293.49	ND(10)	ND(10)	ND(10)	ND(10)	8400	4000	83	ND(10)	81	
	12/15/2016	328.53	36.54	ND	ND	291.99	ND(20)	ND(20)	ND(20)	ND(20)	9900	9000	88	ND(20)	77	
	3/16/2017	328.53	36.66	ND	ND	291.87	ND(5)	ND(5)	ND(5)	ND(5)	7600	6500	84	ND(5)	71	
	6/22/2017	328.53	35.97	ND	ND	292.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	328.53	37.11	ND	ND	291.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	328.53	37.99	ND	ND	290.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	328.53	37.35	ND	ND	291.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	328.53	35.50	ND	ND	293.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	328.53	32.60	ND	ND	295.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	328.53	30.05	ND	ND	298.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	328.53	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	328.53	28.56	ND	ND	299.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-1	9/16/2019	328.53	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	328.53	33.62	ND	ND	294.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	328.53	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	328.53	32.57	ND	ND	295.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-2	1/18/2003	329.47	34.56	ND	ND	294.91	ND(5)	ND(5)	ND(5)	ND(10)	100	ND(100)	ND(5)	ND(5)	ND(5)	Screened from 10-40'
	8/5/2008	329.47	35.53	ND	ND	293.94	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	320	NA	NA	NA	NA	
	6/7/2013	329.47	35.30	ND	ND	294.17	ND(5)	ND(7)	ND(8)	ND(8)	14000	NA	NA	NA	NA	
	12/19/2013	329.47	36.82	ND	ND	292.65	ND(50)	ND(50)	ND(50)	ND(50)	7700	ND(800)	130	ND(50)	74	
	3/25/2014	329.47	34.26	ND	ND	295.21	ND(100)	ND(100)	ND(100)	ND(100)	7000	ND(1600)	130	ND(100)	ND(100)	
	6/19/2014	329.47	30.74	ND	ND	298.73	ND(10)	ND(10)	ND(10)	ND(10)	5000	ND(200)	39	ND(10)	38	
	9/3/2014	329.47	32.64	ND	ND	296.83	ND(10)	ND(10)	ND(10)	ND(10)	3900	ND(200)	21	ND(10)	27	
	12/10/2014	329.47	36.75	ND	ND	292.72	ND(2)	ND(2)	ND(2)	ND(2)	2100	ND(40)	25	ND(2)	18	
	3/11/2015	329.47	36.74	ND	ND	292.73	ND(2)	ND(2)	ND(2)	ND(2)	1000	84	20	ND(2)	9	
	6/3/2015	329.47	35.19	ND	ND	294.28	ND(5)	ND(5)	ND(5)	ND(5)	1400	ND(100)	15	ND(5)	11	
	9/4/2015	329.47	DRY	DRY	DRY	DRY	ND(1)	ND(1)	ND(1)	ND(1)	1100	ND(20)	22	ND(1)	9	
	12/2/2015	329.47	38.42	ND	ND	291.05	ND(1)	ND(1)	ND(1)	ND(1)	440	ND(20)	16	ND(1)	3	
	3/17/2016	329.47	35.81	ND	ND	293.66	ND(1)	ND(1)	ND(1)	ND(1)	970	ND(20)	32	ND(1)	9	
	5/3/2016	329.47	34.06	ND	ND	295.41	ND(1)	ND(1)	ND(1)	ND(1)	580	ND(20)	33	ND(1)	4	
	8/18/2016	329.47	35.86	ND	ND	293.61	ND(1)	ND(1)	ND(1)	ND(1)	190	ND(20)	14	ND(1)	1	
	12/15/2016	329.47	37.30	ND	ND	292.17	ND(1)	ND(1)	ND(1)	ND(1)	170	36	12	ND(1)	1	
	3/16/2017	329.47	37.35	ND	ND	292.12	ND(1)	ND(1)	ND(1)	ND(1)	240	82	12	ND(1)	2	
	6/22/2017	329.47	36.74	ND	ND	292.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.47	37.90	ND	ND	291.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.47	38.74	ND	ND	290.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.47	38.21	ND	ND	291.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.47	36.31	ND	ND	293.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.47	33.40	ND	ND	296.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.47	30.83	ND	ND	298.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.47	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.47	29.38	ND	ND	300.09	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.47	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.47	34.42	ND	ND	295.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-2	2/26/2020	329.47	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	329.47	33.48	ND	ND	295.99	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-3	1/18/2003	330.14	35.88	ND	ND	294.26	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(100)	ND(5)	ND(5)	ND(5)	Screened from 10-45'
	8/5/2008	330.14	35.92	ND	ND	294.22	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	22	NA	NA	NA	NA	
	6/7/2013	330.14	35.84	ND	ND	294.30	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	2 J	NA	NA	NA	NA	
	12/18/2013	330.14	37.22	ND	ND	292.92	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	330.14	34.57	ND	ND	295.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	330.14	31.08	ND	ND	299.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2014	330.14	33.20	ND	ND	296.94	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	330.14	37.11	ND	ND	293.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	330.14	35.61	ND	ND	294.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	330.14	35.69	ND	ND	294.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2015	330.14	37.66	ND	ND	292.48	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	330.14	38.92	ND	ND	291.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	330.14	36.24	ND	ND	293.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	330.14	34.68	ND	ND	295.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	330.14	36.24	ND	ND	293.90	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	330.14	37.94	ND	ND	292.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	330.14	37.32	ND	ND	292.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	330.14	38.42	ND	ND	291.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	330.14	39.35	ND	ND	290.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	330.14	39.95	ND	ND	290.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	330.14	36.88	ND	ND	293.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	330.14	33.89	ND	ND	296.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-3	5/14/2020	330.14	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-4	1/18/2003	327.67	34.12	ND	ND	293.55	71	920	850	8700	55	790	ND(5)	ND(5)	ND(5)	Screened from 10-40'
	8/5/2008	327.67	34.25	ND	ND	293.42	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	22	NA	NA	NA	NA	
	6/7/2013	327.67	34.08	ND	ND	293.59	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	327.67	35.91	ND	ND	291.76	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	327.67	33.24	ND	ND	294.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	327.67	29.62	ND	ND	298.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/8/2014	327.67	31.54	ND	ND	296.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	327.67	35.98	ND	ND	291.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	327.67	35.09	ND	ND	292.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	327.67	33.00	ND	ND	294.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2015	327.67	34.91	ND	ND	292.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/2/2015	327.67	36.46	ND	ND	291.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	327.67	33.62	ND	ND	294.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	327.67	31.32	ND	ND	296.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	327.67	33.90	ND	ND	293.77	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/13/2016	327.67	36.26	ND	ND	291.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	327.67	36.76	ND	ND	290.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	327.67	35.44	ND	ND	292.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	327.67	36.23	ND	ND	291.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	327.67	37.37	ND	ND	290.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	327.67	37.31	ND	ND	290.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	327.67	34.74	ND	ND	292.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	327.67	31.32	ND	ND	296.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-4	2/26/2020	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	327.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-5	8/5/2008	327.81	35.93	ND	ND	291.88	320	3000	3000	16000	ND(5.0)	NA	NA	NA	NA	Interval not available
	6/7/2013	327.81	35.30	ND	ND	292.51	180	96	270	11000	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	327.81	37.46	ND	ND	290.35	290	160	860	6000	ND(13)	ND(200)	ND(13)	ND(13)	ND(13)	
	3/24/2014	327.81	34.75	ND	ND	293.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/19/2014	327.81	31.23	ND	ND	296.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/8/2014	327.81	31.98	ND	ND	295.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	327.81	37.19	ND	ND	290.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	327.81	37.15	ND	ND	290.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	327.81	33.47	ND	ND	294.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2015	327.81	35.20	ND	ND	292.61	240	210	790	7600	ND(1)	51	ND(1)	ND(1)	ND(1)	
	12/2/2015	327.81	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	327.81	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	327.81	33.33	ND	ND	294.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/18/2016	327.81	34.50	ND	ND	293.31	210	330	700	5400	ND(2)	58	ND(2)	ND(2)	ND(2)	
	12/13/2016	327.81	37.60	ND	ND	290.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	327.81	38.22	ND	ND	289.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	327.81	36.49	ND	ND	291.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	327.81	37.14	ND	ND	290.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	327.81	38.44	ND	ND	289.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	327.81	35.88	ND	ND	291.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	327.81	32.21	ND	ND	295.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-5	5/14/2020	327.81	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-6	8/5/2008	325.21	31.63	ND	ND	293.58	ND(5.0)	ND(5.0)	ND(5.0)	18.6	16	NA	NA	NA	NA	Interval not available
	6/7/2013	325.21	31.12	ND	ND	294.09	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	6	NA	NA	NA	NA	
	12/18/2013	325.21	32.12	ND	ND	293.09	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/25/2014	325.21	29.37	ND	ND	295.84	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/18/2014	325.21	26.56	ND	ND	298.65	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	325.21	26.98	ND	ND	298.23	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	325.21	30.37	ND	ND	294.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/11/2015	325.21	25.36	ND	ND	299.85	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/2/2015	325.21	31.07	ND	ND	294.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2015	325.21	34.37	ND	ND	290.84	1	1	3	40	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	325.21	34.34	ND	ND	290.87	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	325.21	31.65	ND	ND	293.56	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	325.21	29.96	ND	ND	295.25	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	8/17/2016	325.21	31.73	ND	ND	293.48	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	325.21	33.20	ND	ND	292.01	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	325.21	33.32	ND	ND	291.89	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	325.21	32.70	ND	ND	292.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	325.21	33.86	ND	ND	291.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	325.21	34.76	ND	ND	290.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	325.21	34.21	ND	ND	291.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	325.21	32.21	ND	ND	293.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	325.21	29.32	ND	ND	295.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-6	5/14/2020	325.21	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic							N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-7	8/5/2008	329.77	37.35	ND	ND	292.42	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	16	NA	NA	NA	NA	Interval not available
	6/6/2013	329.77	37.04	ND	ND	292.73	ND(0.5)	ND(0.7)	ND(0.8)	ND(0.8)	ND(0.5)	NA	NA	NA	NA	
	12/18/2013	329.77	38.24	ND	ND	291.53	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	3/24/2014	329.77	35.60	ND	ND	294.17	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	
	6/18/2014	329.77	32.49	ND	ND	297.28	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2014	329.77	34.24	ND	ND	295.53	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/9/2014	329.77	37.70	ND	ND	292.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/10/2015	329.77	37.74	ND	ND	292.03	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/2/2015	329.77	34.60	ND	ND	295.17	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	9/3/2015	329.77	37.95	ND	ND	291.82	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/1/2015	329.77	39.19	ND	ND	290.58	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2016	329.77	36.46	ND	ND	293.31	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	5/2/2016	329.77	34.42	ND	ND	295.35	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	8/17/2016	329.77	36.72	ND	ND	293.05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	12/14/2016	329.77	39.05	ND	ND	290.72	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	3/16/2017	329.77	39.39	ND	ND	290.38	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	
	6/22/2017	329.77	38.31	ND	ND	291.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	329.77	39.14	ND	ND	290.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	329.77	40.21	ND	ND	289.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	329.77	40.09	ND	ND	289.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	329.77	37.67	ND	ND	292.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	329.77	34.60	ND	ND	295.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2018	329.77	31.95	ND	ND	297.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	329.77	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	329.77	30.19	ND	ND	299.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	329.77	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	329.77	35.88	ND	ND	293.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	329.77	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
W-7	5/14/2020	329.77	34.77	ND	ND	295.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Mann-Kendall Statistic										N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFSCMW-2	3/24/2014	316.79	30.18	ND	ND	286.61	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Interval not available
	6/19/2014	316.79	29.12	ND	ND	287.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	316.79	27.99	ND	ND	288.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	316.79	29.38	ND	ND	287.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	316.79	29.89	ND	ND	286.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	316.79	29.82	ND	ND	286.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	316.79	30.75	ND	ND	286.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Covered by dumpster
	12/3/2018	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Inaccessible
	3/14/2019	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	316.79	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFSCMW-3	3/24/2014	319.78	29.14	ND	ND	290.64	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Interval not available
	6/19/2014	319.78	28.42	ND	ND	291.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	319.78	27.24	ND	ND	292.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	319.78	34.56	ND	ND	285.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	319.78	27.82	ND	ND	291.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	319.78	29.81	ND	ND	289.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	319.78	28.65	ND	ND	291.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	319.78	28.20	ND	ND	291.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	319.78	28.90	ND	ND	290.88	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	319.78	32.43	ND	ND	287.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	319.78	31.36	ND	ND	288.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	319.78	31.54	ND	ND	288.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	319.78	33.15	ND	ND	286.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	319.78	33.34	ND	ND	286.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	319.78	30.22	ND	ND	289.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	319.78	25.94	ND	ND	293.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/3/2018	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	Inaccessible
	3/14/2019	319.78	21.54	ND	ND	298.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	319.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFGPMW-4	3/24/2014	310.10	18.87	ND	ND	291.23	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	Screened from 5.5-20.5'
	6/19/2014	310.10	17.21	ND	ND	292.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	310.10	18.39	ND	ND	291.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/3/2018	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	310.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data									Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
GFGPMW-5	3/24/2014	310.72	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	Screened from 5-25'
	6/19/2014	310.72	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2014	310.72	22.31	ND	ND	288.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2014	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/12/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/1/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/2/2015	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/2/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/16/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/13/2017	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/22/2017	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/28/2017	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2017	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/8/2018	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/5/2018	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/3/2018	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/14/2019	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/30/2019	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2019	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/2019	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/26/2020	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/14/2020	310.72	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Well ID	Date	Gauging Data					Analytical Data								Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
	Mann-Kendall Statistic						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Table 3 (Continued)**Groundwater Monitoring & Analytical Data – Analytical Data**

Inactive Fairfax Facility #26140

9901 Georgetown Pike

Great Falls, Virginia

January 18, 2003 through May 14, 2020

Notes:

µg/L - micrograms per liter (µg/L)

CMT - Continuous Multichannel Tubing

DIPE - Isopropyl ether

ETBE - Ethyl tert-butyl ether

GW - Groundwater

J - Indicates an estimated value

MTBE - Methyl Tertiary Butyl Ether

NA - Not analyzed

ND - Not detected

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NM - Not monitored

NS - Not sampled

NSVD - Not surveyed to vertical datum

TAME - Tert-Amyl methyl ether

TBA - Tert-Butyl alcohol



APPENDIX A

Lancaster Laboratories Analysis Reports – Groundwater (May 12 and 14, 2020)



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Report Date: May 22, 2020 14:31

Project: Fairfax 26140

Account #: 12152
Group Number: 2099495
PO Number: 00109816.00A
State of Sample Origin: MD

Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder

Attn: Mark Steele
Attn: Jennifer Kozak
Attn: Evan McMullen
Attn: Nathan Stevens

Respectfully Submitted,



Megan A. Moeller
Senior Specialist

(717) 556-7261

To view our laboratory's current scopes of accreditation please go to <https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/>. Historical copies may be requested through your project manager.



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
MW-17D(75) Grab Water	05/12/2020 10:30	1314360
MW-17D(81) Grab Water	05/12/2020 11:25	1314361
MW-17D(87.75) Grab Water	05/12/2020 12:25	1314362
MW-17D(92) Grab Water	05/12/2020 13:20	1314363
MW-17D(117) Grab Water	05/12/2020 14:30	1314364
MW-17D(129.75) Grab Water	05/12/2020 15:35	1314365
MW-17D(147) Grab Water	05/12/2020 16:35	1314366

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

Sample Description: MW-17D(75) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1314360
ELLE Group #: 2099495
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/13/2020 16:20
Collection Date/Time: 05/12/2020 10:30

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	220	20	20
10335 B	benzene	71-43-2	< 20	20	20
10335	t-Butyl alcohol	75-65-0	3,300	500	20
10335	Ethyl t-butyl ether	637-92-3	< 20	20	20
10335 E	ethylbenzene	100-41-4	< 20	20	20
10335	di-Isopropyl ether	108-20-3	370	20	20
10335	Methyl Tertiary Butyl Ether	1634-04-4	14,000	200	200
10335 T	oluene	108-88-3	< 20	20	20
10335	Xylene (Total)	1330-20-7	< 100	100	20

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201421AA	05/21/2020 13:50	Linda C Pape	20
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201421AA	05/21/2020 14:12	Linda C Pape	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N201421AA	05/21/2020 13:49	Linda C Pape	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N201421AA	05/21/2020 14:11	Linda C Pape	200

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Sample Description: MW-17D(81) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1314361
ELLE Group #: 2099495
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/13/2020 16:20
Collection Date/Time: 05/12/2020 11:25

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	160	20	20
10335 B	benzene	71-43-2	< 20	20	20
10335	t-Butyl alcohol	75-65-0	2,000	500	20
10335	Ethyl t-butyl ether	637-92-3	< 20	20	20
10335 E	ethylbenzene	100-41-4	< 20	20	20
10335	di-Isopropyl ether	108-20-3	260	20	20
10335	Methyl Tertiary Butyl Ether	1634-04-4	9,800	200	200
10335 T	oluene	108-88-3	< 20	20	20
10335	Xylene (Total)	1330-20-7	< 100	100	20

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201421AA	05/21/2020 14:34	Linda C Pape	20
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201421AA	05/21/2020 14:56	Linda C Pape	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N201421AA	05/21/2020 14:33	Linda C Pape	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N201421AA	05/21/2020 14:55	Linda C Pape	200

Sample Description: MW-17D(87.75) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1314362
ELLE Group #: 2099495
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/13/2020 16:20
Collection Date/Time: 05/12/2020 12:25

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	5	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201411AA	05/20/2020 15:50	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N201411AA	05/20/2020 15:49	Corie Mellinger	1

Sample Description: MW-17D(92) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1314363
ELLE Group #: 2099495
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/13/2020 16:20
Collection Date/Time: 05/12/2020 13:20

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	5	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201421AA	05/21/2020 15:18	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N201421AA	05/21/2020 15:17	Linda C Pape	1

Sample Description: MW-17D(117) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1314364
ELLE Group #: 2099495
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/13/2020 16:20
Collection Date/Time: 05/12/2020 14:30

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	5	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	62	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	11	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	280	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201421AA	05/21/2020 15:40	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N201421AA	05/21/2020 15:39	Linda C Pape	1

Sample Description: MW-17D(129.75) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1314365
ELLE Group #: 2099495
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/13/2020 16:20
Collection Date/Time: 05/12/2020 15:35

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	20	2	2
10335 B	benzene	71-43-2	< 2	2	2
10335	t-Butyl alcohol	75-65-0	300	50	2
10335	Ethyl t-butyl ether	637-92-3	< 2	2	2
10335 E	ethylbenzene	100-41-4	< 2	2	2
10335	di-Isopropyl ether	108-20-3	27	2	2
10335	Methyl Tertiary Butyl Ether	1634-04-4	870	20	20
10335 T	oluene	108-88-3	< 2	2	2
10335	Xylene (Total)	1330-20-7	< 10	10	2

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201421AA	05/21/2020 16:02	Linda C Pape	2
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201421AA	05/21/2020 16:24	Linda C Pape	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N201421AA	05/21/2020 16:01	Linda C Pape	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N201421AA	05/21/2020 16:23	Linda C Pape	20

Sample Description: MW-17D(147) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1314366
ELLE Group #: 2099495
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/13/2020 16:20
Collection Date/Time: 05/12/2020 16:35

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	27	2	2
10335 B	benzene	71-43-2	< 2	2	2
10335	t-Butyl alcohol	75-65-0	82	50	2
10335	Ethyl t-butyl ether	637-92-3	< 2	2	2
10335 E	ethylbenzene	100-41-4	< 2	2	2
10335	di-Isopropyl ether	108-20-3	44	2	2
10335	Methyl Tertiary Butyl Ether	1634-04-4	1,200	20	20
10335 T	oluene	108-88-3	< 2	2	2
10335	Xylene (Total)	1330-20-7	< 10	10	2

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201421AA	05/21/2020 16:46	Linda C Pape	2
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201421AA	05/21/2020 17:08	Linda C Pape	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N201421AA	05/21/2020 16:45	Linda C Pape	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N201421AA	05/21/2020 17:07	Linda C Pape	20

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2020 14:31

Group Number: 2099495

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/l	LOQ ug/l
Batch number: N201411AA		
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
t-Butyl alcohol	< 25	25
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 5	5
Batch number: N201421AA		
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
t-Butyl alcohol	< 25	25
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 5	5

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: N201411AA									
t-Amyl methyl ether	20	19.5	20	18.17	97	91	66-120	7	30
Benzene	20	20.35	20	19.56	102	98	80-120	4	30
t-Butyl alcohol	200	220.71	200	233.28	110	117	60-130	6	30
Ethyl t-butyl ether	20	18.92	20	18.43	95	92	68-121	3	30
Ethylbenzene	20	19.57	20	19.71	98	99	80-120	1	30
di-Isopropyl ether	20	20.86	20	20.14	104	101	70-124	4	30
Methyl Tertiary Butyl Ether	20	18.65	20	18.71	93	94	69-122	0	30
Toluene	20	19.8	20	19.86	99	99	80-120	0	30
Xylene (Total)	60	59.83	60	60.39	100	101	80-120	1	30

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2020 14:31

Group Number: 2099495

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: N201421AA Sample number(s): 1314360-1314361,1314363-1314366									
t-Amyl methyl ether	20	19.52	20	18.92	98	95	66-120	3	30
Benzene	20	19.86	20	20.18	99	101	80-120	2	30
t-Butyl alcohol	200	233.56	200	244.43	117	122	60-130	5	30
Ethyl t-butyl ether	20	19.4	20	18.96	97	95	68-121	2	30
Ethylbenzene	20	20.04	20	19.8	100	99	80-120	1	30
di-Isopropyl ether	20	20.59	20	20.35	103	102	70-124	1	30
Methyl Tertiary Butyl Ether	20	18.44	20	18.19	92	91	69-122	1	30
Toluene	20	20.38	20	19.95	102	100	80-120	2	30
Xylene (Total)	60	61.11	60	61.18	102	102	80-120	0	30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX + 5 Oxys

Batch number: N201411AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1314362	95	99	96	89
Blank	93	100	97	88
LCS	95	96	97	90
LCSD	92	95	99	90
Limits:	80-120	80-120	80-120	80-120

Analysis Name: BTEX + 5 Oxys

Batch number: N201421AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1314360	96	98	95	87
1314361	94	96	104	97
1314363	95	96	96	87
1314364	96	98	96	84
1314365	94	98	96	88
1314366	94	101	97	90
Blank	94	99	97	90
LCS	94	95	98	92
LCSD	94	99	99	91
Limits:	80-120	80-	120 80-	120

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.



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Analysis Report

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/22/2020 14:31

Group Number: 2099495

- *- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.



12152 20199495 1314360-67

Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: _____
Group #: _____ Sample #: _____

Client: Kleinfelder	Acct. #:				Matrix			Analyses Requested								For Lab Use Only					
Project Name/#: FFX 26140	PWSID #:				Potable	NPDES		Preservation Codes								FSC:					
Project Manager: Mark C. Steele	P.O. #:	00109816.00A														SCR#:					
Sampler: Brian McMullen	Quote #:															Preservation Codes H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other					
Name of State where samples were collected: Virginia																				Temperature of samples upon receipt (if requested)	
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX + Oxygenates (TBA, TAME, DIPE, MTBE)								Remarks			
MW-17D(75)	5/12/20	10:30	X			X			3	X											
MW-17D(81)	5/12/20	11:25	X			X			3	X											
MW-17D(87.75)	5/12/20	12:25	X			X			3	X											
MW-17D(92)	5/12/20	13:20	X			X			3	X											
MW-17D(117)	5/12/20	14:30	X			X			3	X											
MW-17D(129.75)	5/12/20	15:35	X			X			3	X											
MW-17D(147)	5/12/20	16:35	X			X			3	X											
Turnaround Time Requested (TAT) (please circle): <input checked="" type="radio"/> Normal <input type="radio"/> Rush (Rush TAT is subject to Lancaster Laboratories approval and surcharge.)									Relinquished by: <i>S. McM</i>		Date 5/12/20	Time 1800	Received by: <i>color room</i>	Date 5/12	Time 1800						
Date results are needed: _____									Relinquished by: <i>A. Kozak</i>		Date 5/13/20	Time 1045	Received by: <i>AM</i>	Date 5/13/20	Time 1045						
Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____ Phone #: _____ Fax #: _____ E-mail address: _____									Relinquished by: <i>J. J.</i>		Date 5/13/20	Time 1600	Received by: _____	Date _____	Time _____						
Data Package Options (please circle if required)		SDG Complete? Yes No							Relinquished by:		Date	Time	Received by:	Date	Time						
Type I (validation/NJ reg)	TX-TRRP-13									Relinquished by:		Date	Time	Received by:	Date	Time					
Type II (Tier II)	MA MCP	CT RCP								Relinquished by:		Date	Time	Received by:	Date	Time					
Type III (Reduced NJ)			State-specific QC (MS/MSD/Dup)? Yes No							Relinquished by:		Date	Time	Received by:	Date	Time					
Type IV (CLP SOW)			(If yes, indicate QC sample and submit triplecate volume)							Relinquished by:		Date	Time	Received by:	Date	Time					
Type VI (Raw Data Only)			Internal COC required? Yes No							Relinquished by:		Date	Time	Received by: <i>W. M. 5/13/20</i>	Date 5/13/20	Time 1620					

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client



Group Number(s): 2099495

Client: KLEINFELDER**Delivery and Receipt Information**

Delivery Method:	<u>ELLE Courier</u>	Arrival Date:	<u>05/14/2020</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>VA</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Jessenia Colon Martinez***Samples Chilled Details**

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Matrix	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	Water	46730060WS	5.8	IR	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mL	milliliter(s)
C	degrees Celsius	MPN	Most Probable Number
cfu	colony forming units	N.D.	non-detect
CP Units	cobalt-chloroplatinate units	ng	nanogram(s)
F	degrees Fahrenheit	NTU	nephelometric turbidity units
g	gram(s)	pg/L	picogram/liter
IU	International Units	RL	Reporting Limit
kg	kilogram(s)	TNTC	Too Numerous To Count
L	liter(s)	µg	microgram(s)
lb.	pound(s)	µL	microliter(s)
m3	cubic meter(s)	umhos/cm	micromhos/cm
meq	milliequivalents	MCL	Maximum Contamination Limit
mg	milligram(s)		
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is less than the LOQ
K2	Continuing Calibration Blank is above the QC limit and the sample result is less than the LOQ
K3	Initial Calibration Verification is above the QC limit and the sample result is less than the LOQ
K4	Continuing Calibration Verification is above the QC limit and the sample result is less than the LOQ
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Report Date: May 31, 2020 11:17

Project: Fairfax 26140

Account #: 12152
Group Number: 2099861
PO Number: 00109816.00A
State of Sample Origin: VA

Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder

Attn: Mark Steele
Attn: Nathan Stevens
Attn: Jennifer Kozak

Respectfully Submitted,



Megan A. Moeller
Senior Specialist

(717) 556-7261

To view our laboratory's current scopes of accreditation please go to <https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/>. Historical copies may be requested through your project manager.



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
MW-1R Grab Water	05/14/2020 13:50	1316499
MW-2 Grab Water	05/14/2020 10:20	1316500
MW-7 Grab Water	05/14/2020 13:13	1316501
MW-15 Grab Water	05/14/2020 12:05	1316502
MW-16D(95) Grab Water	05/14/2020 11:00	1316503
MW-23D Grab Water	05/14/2020 08:45	1316504
MW-24 Grab Water	05/14/2020 09:25	1316505
MW-25D(90) Grab Water	05/14/2020 07:55	1316506
PW-1(65) Grab Water	05/14/2020 14:45	1316507
RW-1 Grab Water	05/14/2020 15:50	1316508

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: MW-1R Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1316499
ELLE Group #: 2099861
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/15/2020 17:50
Collection Date/Time: 05/14/2020 13:50

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	4	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	Y201481AA	05/27/2020 15:07	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y201481AA	05/27/2020 15:06	Corie Mellinger	1

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Sample Description: MW-2 Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1316500
ELLE Group #: 2099861
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/15/2020 17:50
Collection Date/Time: 05/14/2020 10:20

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	Y201481AA	05/27/2020 15:29	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y201481AA	05/27/2020 15:28	Corie Mellinger	1

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Sample Description: MW-7 Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1316501
ELLE Group #: 2099861
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/15/2020 17:50
Collection Date/Time: 05/14/2020 13:13

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	Y201481AA	05/27/2020 15:50	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y201481AA	05/27/2020 15:49	Corie Mellinger	1

Sample Description: MW-15 Grab Water
Fairfax 26140**Kleinfelder**
ELLE Sample #: WW 1316502
ELLE Group #: 2099861
Matrix: Water**Project Name:** Fairfax 26140Submittal Date/Time: 05/15/2020 17:50
Collection Date/Time: 05/14/2020 12:05

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	Y201481AA	05/27/2020 16:12	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y201481AA	05/27/2020 16:11	Corie Mellinger	1

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Sample Description: MW-16D(95) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1316503
ELLE Group #: 2099861
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/15/2020 17:50
Collection Date/Time: 05/14/2020 11:00

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	4201481AA	05/28/2020 03:37	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4201481AA	05/28/2020 03:36	Sara E Johnson	1

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Sample Description: MW-23D Grab Water
Fairfax 26140**Kleinfelder**
ELLE Sample #: WW 1316504
ELLE Group #: 2099861
Matrix: Water**Project Name:** Fairfax 26140Submittal Date/Time: 05/15/2020 17:50
Collection Date/Time: 05/14/2020 08:45

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	Y201474AA	05/27/2020 03:08	Laura Green	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y201474AA	05/27/2020 03:07	Laura Green	1

Sample Description: MW-24 Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1316505
ELLE Group #: 2099861
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/15/2020 17:50
Collection Date/Time: 05/14/2020 09:25

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	Y201474AA	05/27/2020 03:30	Laura Green	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y201474AA	05/27/2020 03:29	Laura Green	1

Sample Description: MW-25D(90) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1316506
ELLE Group #: 2099861
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/15/2020 17:50
Collection Date/Time: 05/14/2020 07:55

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	Y201474AA	05/27/2020 03:52	Laura Green	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y201474AA	05/27/2020 03:51	Laura Green	1

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Sample Description: PW-1(65) Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1316507
ELLE Group #: 2099861
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/15/2020 17:50
Collection Date/Time: 05/14/2020 14:45

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	thylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	2	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	20	1	1
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	4201481AA	05/28/2020 04:00	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4201481AA	05/28/2020 03:59	Sara E Johnson	1

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Sample Description: RW-1 Grab Water
Fairfax 26140

Kleinfelder
ELLE Sample #: WW 1316508
ELLE Group #: 2099861
Matrix: Water

Project Name: Fairfax 26140

Submittal Date/Time: 05/15/2020 17:50
Collection Date/Time: 05/14/2020 15:50

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B					
10335	t-Amyl methyl ether	994-05-8	7	ug/l	1
10335 B	benzene	71-43-2	< 1	1	1
10335	t-Butyl alcohol	75-65-0	82	25	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335 E	ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	18	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	470	10	10
10335 T	oluene	108-88-3	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	BTEX + 5 Oxys	SW-846 8260B	1	4201481AA	05/28/2020 04:22	Sara E Johnson	1
10335	BTEX + 5 Oxys	SW-846 8260B	1	N201491AA	05/28/2020 20:05	Corie Mellinger	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4201481AA	05/28/2020 04:21	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N201491AA	05/28/2020 20:04	Corie Mellinger	10

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/31/2020 11:17

Group Number: 2099861

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/l	LOQ ug/l
Batch number: 4201481AA	Sample number(s): 1316503,1316507-1316508	
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
t-Butyl alcohol	< 25	25
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 5	5
Batch number: N201491AA	Sample number(s): 1316508	
Methyl Tertiary Butyl Ether	< 1	1
Batch number: Y201474AA	Sample number(s): 1316504-1316506	
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
t-Butyl alcohol	< 25	25
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 5	5
Batch number: Y201481AA	Sample number(s): 1316499-1316502	
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
t-Butyl alcohol	< 25	25
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Methyl Tertiary Butyl Ether	< 1	1
Toluene	< 1	1
Xylene (Total)	< 5	5

LCS/LCSD

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/31/2020 11:17

Group Number: 2099861

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 4201481AA		Sample number(s): 1316503,1316507-1316508							
t-Amyl methyl ether	20	18.78			94		66-120		
Benzene	20	22.85			114		80-120		
t-Butyl alcohol	200	210.13			105		60-130		
Ethyl t-butyl ether	20	18.64			93		68-121		
Ethylbenzene	20	21.1			106		80-120		
di-Isopropyl ether	20	20			100		70-124		
Methyl Tertiary Butyl Ether	20	18.82			94		69-122		
Toluene	20	21.09			105		80-120		
Xylene (Total)	60	62.95			105		80-120		
Batch number: N201491AA		Sample number(s): 1316508							
Methyl Tertiary Butyl Ether	20	16.77	20	15.56	84	78	69-122	7	30
Batch number: Y201474AA		Sample number(s): 1316504-1316506							
t-Amyl methyl ether	20	20.06			100		66-120		
Benzene	20	19.73			99		80-120		
t-Butyl alcohol	200	207.55			104		60-130		
Ethyl t-butyl ether	20	18.69			93		68-121		
Ethylbenzene	20	19.54			98		80-120		
di-Isopropyl ether	20	18.84			94		70-124		
Methyl Tertiary Butyl Ether	20	19			95		69-122		
Toluene	20	19.69			98		80-120		
Xylene (Total)	60	58.93			98		80-120		
Batch number: Y201481AA		Sample number(s): 1316499-1316502							
t-Amyl methyl ether	20	19.66			98		66-120		
Benzene	20	19.67			98		80-120		
t-Butyl alcohol	200	190.15			95		60-130		
Ethyl t-butyl ether	20	18.43			92		68-121		
Ethylbenzene	20	19.64			98		80-120		
di-Isopropyl ether	20	18.71			94		70-124		
Methyl Tertiary Butyl Ether	20	18.51			93		69-122		
Toluene	20	19.48			97		80-120		
Xylene (Total)	60	58.37			97		80-120		

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/31/2020 11:17

Group Number: 2099861

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX + 5 Oxys
Batch number: 4201481AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1316503	104	104	96	94
1316507	104	103	96	94
1316508	102	101	97	93
Blank	103	103	97	95
LCS	101	101	97	98
Limits:	80-120	80-120	80-120	80-120

Analysis Name: BTEX + 5 Oxys
Batch number: Y201474AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1316504	107	105	98	94
1316505	108	105	98	94
1316506	108	106	98	95
Blank	104	105	98	95
LCS	101	101	100	100
Limits:	80-120	80-120	80-120	80-120

Analysis Name: BTEX + 5 Oxys
Batch number: Y201481AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1316499	104	105	99	96
1316500	105	105	98	95
1316501	105	104	98	95
1316502	106	106	98	95
Blank	102	103	99	95
LCS	101	102	100	102
Limits:	80-120	80-120	80-120	80-120

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.



Analysis Request/Environmental Services Chain of Custody

(3) 5/14/20 12482CS

For Lancaster Laboratories use only Acct. #: _____
Group #: _____ Sample #: _____

A-12152

G-20199 BG1

S-1316499 - 508

Client: Kleinfelder	Acct. #:				Matrix			Analyses Requested										For Lab Use Only			
Project Name/#: FFX 26140	PWSID #:				Soil	Potable	NPDES	Preservation Codes										FSC: _____			
Project Manager: Mark C. Steele	P.O. #: 00109816.00A							Water	Other											SCR#: _____	
Sampler: Evan McMullen	Quote #:				Total # of Containers		BTEX + Oxygenates (TBA, TAME, DIPE, MTBE)													Preservation Codes	
Name of State where samples were collected: Virginia																				H=HCl T=Thiosulfate N=NHO3 B=NaOH S=H2SO4 O=Other	
Sample Identification				Date Collected	Time Collected	Grab	Composite													Remarks	
MW-1R	5/14/20	1350	X			X		3		X											
MW-2	5/14/20	1026	X			X		3		X											
MW-7	5/14/20	1313	X			X		3		X											
MW-15	5/14/20	1205	X			X		3		X											
MW-16D(95)	5/14/20	1100	X			X		3		X											
MW-23D	5/14/20	0845	X			X		3		X											
MW-24	5/14/20	0923	X			X		3		X											
MW-25D(90)	5/14/20	0755	X			X		3		X											
PW-1(65)	5/14/20	1445	X			X		3		X											
RW-1	5/14/20	1550	X			X		3		X											
Turnaround Time Requested (TAT) (please circle): Normal Rush										Relinquished by: <i>E.H. M.</i>		Date 5/14/20	Time 1830	Received by: <i>Cooler com</i>	Date 5/14	Time 1820					
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)										Relinquished by: <i>J. W. Stark</i>		Date 5/15/20	Time 1032	Received by: <i>J. W. Stark</i>	Date 5/15/20	Time 1032					
Date results are needed: _____										Relinquished by: <i>E.H. M.</i>		Date 5/15/20	Time 1745	Received by: <i>/</i>	Date /	Time /					
Rush results requested by (please circle): Phone Fax E-mail										Relinquished by: <i>E.H. M.</i>		Date /	Time /	Received by: <i>/</i>	Date /	Time /					
Phone #: _____ Fax #: _____										Relinquished by: <i>E.H. M.</i>		Date /	Time /	Received by: <i>/</i>	Date /	Time /					
E-mail address: _____										Relinquished by: <i>E.H. M.</i>		Date /	Time /	Received by: <i>/</i>	Date /	Time /					
Data Package Options (please circle if required)				SDG Complete? Yes No						Relinquished by: <i>E.H. M.</i>		Date /	Time /	Received by: <i>/</i>	Date /	Time /					
Type I (validation/NJ reg)	TX-TRRP-13									Relinquished by: <i>E.H. M.</i>		Date /	Time /	Received by: <i>/</i>	Date /	Time /					
Type II (Tier II)	MA MCP	CT RCP								Relinquished by: <i>E.H. M.</i>		Date /	Time /	Received by: <i>/</i>	Date /	Time /					
Type III (Reduced NJ)				State-specific QC (MS/MSD/Dup)? Yes No						Relinquished by: <i>E.H. M.</i>		Date /	Time /	Received by: <i>/</i>	Date /	Time /					
Type IV (CLP SOW)	(If yes, indicate QC sample and submit triplecate volume)						Relinquished by: <i>E.H. M.</i>		Date /	Time /	Received by: <i>/</i>	Date /	Time /								
Type VI (Raw Data Only)	Internal COC required? Yes No						Relinquished by: <i>E.H. M.</i>		Date /	Time /	Received by: <i>/</i>	Date /	Time /								

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client



Group Number(s): 2094861

Client: KLEINFELDER**Delivery and Receipt Information**

Delivery Method: ELLE Courier Arrival Date: 05/15/2020
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: VA

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	No
Custody Seal Intact:	Yes	Total Trip Blank Qty:	0
Samples Chilled:	Yes	Air Quality Samples Present:	No
Paperwork Enclosed:	Yes		
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Jessenia Colon Martinez

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Matrix	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	Water	46730060WS	0.1	IR	Wet	Y	Loose	N

Sample Date/Time Discrepancy Details

Sample ID on COC	Date/Time on Label	Comments
MW-7	5/14/2020 15:15	1 VIAL

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mL	milliliter(s)
C	degrees Celsius	MPN	Most Probable Number
cfu	colony forming units	N.D.	non-detect
CP Units	cobalt-chloroplatinate units	ng	nanogram(s)
F	degrees Fahrenheit	NTU	nephelometric turbidity units
g	gram(s)	pg/L	picogram/liter
IU	International Units	RL	Reporting Limit
kg	kilogram(s)	TNTC	Too Numerous To Count
L	liter(s)	µg	microgram(s)
lb.	pound(s)	µL	microliter(s)
m3	cubic meter(s)	umhos/cm	micromhos/cm
meq	milliequivalents	MCL	Maximum Contamination Limit
mg	milligram(s)		
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is less than the LOQ
K2	Continuing Calibration Blank is above the QC limit and the sample result is less than the LOQ
K3	Initial Calibration Verification is above the QC limit and the sample result is less than the LOQ
K4	Continuing Calibration Verification is above the QC limit and the sample result is less than the LOQ
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.



APPENDIX B

GSI Mann-Kendall ToolKit

GSI MANN-KENDALL TOOLKIT

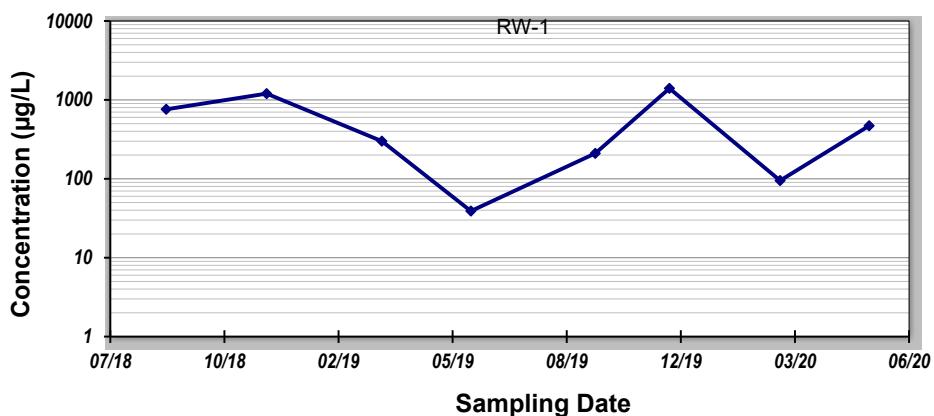
for Constituent Trend Analysis

Evaluation Date: **22-Jul-20**
 Facility Name: **Inactive Fairfax Facility #26140**
 Conducted By: **EM**

Job ID: **FFX_26140**
 Constituent: **MTBE**
 Concentration Units: **µg/L**

Sampling Point ID: **RW-1**

Sampling Event	Sampling Date	MTBE CONCENTRATION (µg/L)									
1	6-Sep-18	760									
2	3-Dec-18	1200									
3	14-Mar-19	300									
4	31-May-19	39									
5	17-Sep-19	210									
6	21-Nov-19	1400									
7	26-Feb-20	95									
8	14-May-20	470									
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
Coefficient of Variation:	0.92										
Mann-Kendall Statistic (S):	-4										
Confidence Factor:	64.0%										
Concentration Trend:	Stable										



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S>0$) or decreasing ($S<0$): $>95\% =$ Increasing or Decreasing; $\geq 90\% =$ Probably Increasing or Probably Decreasing; $< 90\% \text{ and } S>0 =$ No Trend; $< 90\%, S\leq 0, \text{ and } COV \geq 1 =$ No Trend; $< 90\% \text{ and } COV < 1 =$ Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

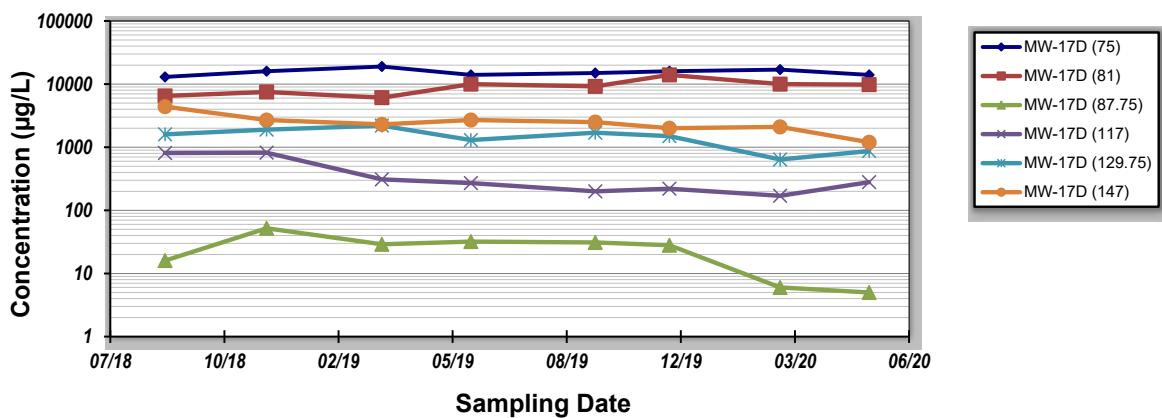
for Constituent Trend Analysis

Evaluation Date: **22-Jul-20**
 Facility Name: **Inactive Fairfax Facility #26140**
 Conducted By: **EM**

Job ID: **FFX_26140**
 Constituent: **MTBE**
 Concentration Units: **µg/L**

Sampling Point ID: **MW-17D (75) MW-17D (81) MW-17D (87.75) MW-17D (117) MW-17D (129.75) MW-17D (147)**

Sampling Event	Sampling Date	MTBE CONCENTRATION (µg/L)					
		13000	6500	16	810	1600	4400
1	5-Sep-18	13000	6500	16	810	1600	4400
2	3-Dec-18	16000	7500	52	820	1900	2700
3	14-Mar-19	19000	6100	29	310	2200	2300
4	31-May-19	14000	10000	32	270	1300	2700
5	17-Sep-19	15000	9200	31	200	1700	2500
6	21-Nov-19	16000	14000	28	220	1500	2000
7	26-Feb-20	17000	10000	6	170	640	2100
8	14-May-20	14000	9800	5	280	870	1200
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:	0.12	0.28	0.62	0.70	0.35	0.37	
Mann-Kendall Statistic (S):	4	13	-14	-16	-14	-21	
Confidence Factor:	64.0%	92.9%	94.6%	96.9%	94.6%	99.6%	
Concentration Trend:	No Trend	Prob. Increasing	Prob. Decreasing	Decreasing	Prob. Decreasing	Decreasing	



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S>0$) or decreasing ($S<0$): $>95\% =$ Increasing or Decreasing; $\geq 90\% =$ Probably Increasing or Probably Decreasing; $< 90\% \text{ and } S>0 =$ No Trend; $< 90\%, S\leq 0, \text{ and } COV \geq 1 =$ No Trend; $< 90\% \text{ and } COV < 1 =$ Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

for Constituent Trend Analysis

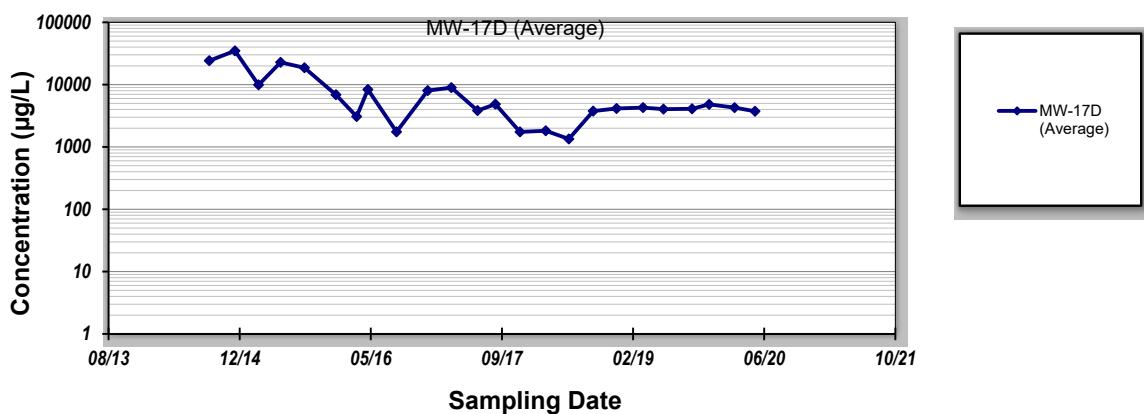
Evaluation Date: **22-Jul-20**
 Facility Name: **Inactive Fairfax Facility #26140**
 Conducted By: **EM**

Job ID: **FFX 26140**
 Constituent: **MTBE**
 Concentration Units: **µg/L**

Sampling Point ID: **MW-17D (Average)**

Sampling Event	Sampling Date	MTBE CONCENTRATION (µg/L)						
		1	2	3	4	5	6	7
1	2-Sep-14	24207						
2	9-Dec-14	34843						
3	9-Mar-15	9916						
4	1-Jun-15	22776						
5	31-Aug-15	18641						
6	29-Dec-15	6884						
7	17-Mar-16	3076						
8	29-Apr-16	8352						
9	16-Aug-16	1746						
10	13-Dec-16	8015						
11	13-Mar-17	8947						
12	21-Jun-17	3833						
13	28-Aug-17	4858						
14	30-Nov-17	1745						
15	8-Mar-18	1819						
16	4-Jun-18	1343						
17	5-Sep-18	3762						
18	3-Dec-18	4141						
19	14-Mar-19	4278						
20	31-May-19	4044						
21	17-Sep-19	4091						
22	21-Nov-19	4822						
23	26-Feb-20	4274						
24	14-May-20	3737						
25								

Coefficient of Variation: **1.05**
 Mann-Kendall Statistic (S): **-114**
 Confidence Factor: **99.8%**
 Concentration Trend: **Decreasing**



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S>0$) or decreasing ($S<0$): $>95\% =$ Increasing or Decreasing;
 $\geq 90\% =$ Probably Increasing or Probably Decreasing; $< 90\%$ and $S>0 =$ No Trend; $< 90\%$, $S\leq 0$, and $COV \geq 1 =$ No Trend; $< 90\%$ and $COV < 1 =$ Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT

for Constituent Trend Analysis

Evaluation Date:

Facility Name:

Conducted By:

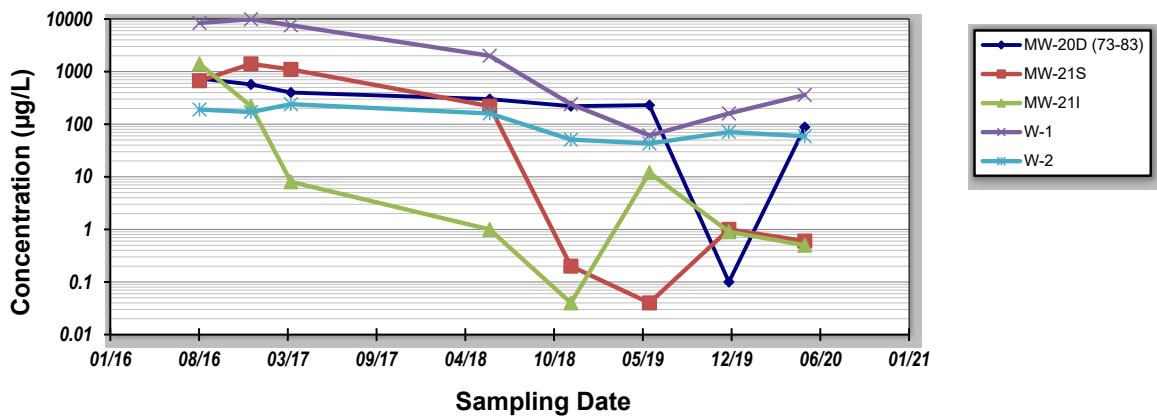
Job ID:

Constituent:

Concentration Units:

Sampling Point ID:

Sampling Event	Sampling Date	MTBE CONCENTRATION (µg/L)				
1	19-Aug-16	740	670	1400	8400	190
2	13-Dec-16	570	1400	220	9900	170
3	13-Mar-17	400	1100	8	7600	240
4	4-Jun-18	300	220	1	2000	160
5	4-Dec-18	220	0.2	0.04	240	51
6	30-May-19	230	0.04	12	61	43
7	25-Nov-19	0.1	1	0.9	160	71
8	14-May-20	88	0.6	0.5	360	59
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
Coefficient of Variation:	0.77	1.33	2.38	1.19	0.62	
Mann-Kendall Statistic (S):	-24	-16	-18	-18	-16	
Confidence Factor:	99.9%	96.9%	98.4%	98.4%	96.9%	
Concentration Trend:	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S>0$) or decreasing ($S<0$): $>95\% =$ Increasing or Decreasing; $\geq 90\% =$ Probably Increasing or Probably Decreasing; $< 90\% \text{ and } S>0 =$ No Trend; $< 90\%, S\leq 0, \text{ and } COV \geq 1 =$ No Trend; $< 90\% \text{ and } COV < 1 =$ Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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APPENDIX C

Mass Flux Analysis

Time 1, Transect A-A' (Historical Average)

Input Data and Grid

Site Location and I.D.:		26140 9901 Georgetown Pike, Great Falls, VA		Data Input Instructions <input type="checkbox"/> Enter value directly. <input checked="" type="checkbox"/> Value calculated by model (Don't enter any data)				
4. CHOOSE TRANSECT		Transect 1		5. CHOOSE TIME PERIOD				
6. ENTER TRANSECT DATA		6.1 Distance of Transect 1 from Source		5 (ft)				
6.2		<input type="radio"/> Darcy Velocity	<input checked="" type="radio"/> Hydraulic Conductivity	6.6	<input type="radio"/> Sampling Interval <input checked="" type="radio"/> Mid Point of Sampling Interval			
6.3 Hydraulic Conductivity Units		ft/d	No	Hydraulic Gradient				
6.4 Uniform Hydraulic Conductivity?		Yes		2.80E-02 (ft/ft)				
Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)	Plume Bottom (ft bgs)	Hydraulic Conductivity (ft/d)	Concentration (ug/L)	
		Top	Bottom				Constituent A	Constituent B
1 Start of Transect	0						0	0
2 End of Transect	360						0	0
3 MW-10	30	10	40	30	60	10.8	7	
4 MW-24	31	50	60	30	60	8.1	26	
5 MW-7	195	16	40	30	60	6.2	19182	
6 MW-1	207	20	345	30	60	6.7	136125	
7 MW-11	225	10	40	30	60	5.1	31527	
8 MW-14	288	25	45	30	60	6.8	49088	
9 MW-24	297	25	40	30	60	6.8	67330	
10 MW-9	339	25	45	30	60	0.03	59	
11 RW-1	201	21	60	30	60	4.7	31750	
12								
13								
14								
15								
7. CHOOSE GRID (OPTIONAL)		Current Grid		Refine Grid By	Refined Grid	8. SELECT CONSTITUENT FOR CALCULATIONS		
		Number of rows 10	Number of columns 7	1	10	<input checked="" type="radio"/> MtBE	<input type="radio"/> Constituent B	
Next Step: Continue Data Input		Back to Transect Calculator Screen		Import MW Data		Export MW Data		See Conc/Flux Grids
		Clear Screen		Paste Example		Restore Table Formatting		Print
								HELP

Grid Completion: Concentration

Transect 1 Time Period 1. Vertical Interpolation: Log Horizontal Interpolation: Log

Step 10: Interpolate Conc Horizontally		Export Conc Grid	Import Conc Grid	Next Step: Interpolate Hydraulic Conductivity Grid	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP	

Data Input Instructions

Enter value directly.
(Values in italics represent interpolated values.)

Top/Bottom of plume.
(Don't enter any data).

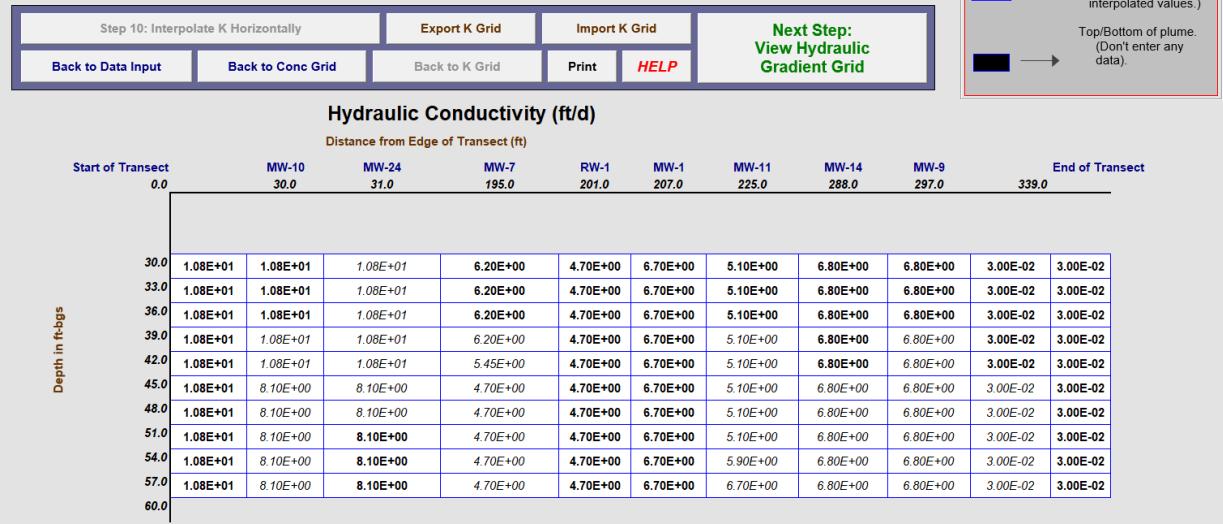
MtBE Concentrations (ug/L)

Distance from Edge of Transect (ft)

Start of Transect	MW-10	MW-24	MW-7	RW-1	MW-1	MW-11	MW-14	MW-9	End of Transect
Depth in ft-bgs	30.0	31.0	195.0	201.0	207.0	225.0	288.0	297.0	339.0
30.0	0	7.00E+00	2.50E+01	1.92E+04	3.18E+04	1.36E+05	3.15E+04	4.91E+04	6.73E+04
33.0	0	7.00E+00	2.50E+01	1.92E+04	3.18E+04	1.36E+05	3.15E+04	4.91E+04	6.73E+04
36.0	0	7.00E+00	2.50E+01	1.92E+04	3.18E+04	1.36E+05	3.15E+04	4.91E+04	6.73E+04
39.0	0	7.00E+00	2.50E+01	1.92E+04	3.18E+04	1.36E+05	3.15E+04	4.91E+04	6.73E+04
42.0	0	7.00E+00	2.50E+01	1.92E+04	3.18E+04	1.36E+05	3.15E+04	4.91E+04	6.73E+04
45.0	0	7.00E+00	2.50E+01	1.92E+04	3.18E+04	1.36E+05	3.15E+04	4.91E+04	6.73E+04
48.0	0	7.00E+00	2.50E+01	1.92E+04	3.18E+04	1.36E+05	3.15E+04	4.91E+04	6.73E+04
51.0	0	7.00E+00	2.50E+01	1.92E+04	3.18E+04	1.36E+05	3.15E+04	4.91E+04	6.73E+04
54.0	0	7.00E+00	2.50E+01	1.92E+04	3.18E+04	1.36E+05	3.15E+04	4.91E+04	6.73E+04
57.0	0	7.00E+00	2.50E+01	1.92E+04	3.18E+04	1.36E+05	3.15E+04	4.91E+04	6.73E+04
60.0	0	7.00E+00	2.50E+01	1.92E+04	3.18E+04	1.36E+05	3.15E+04	4.91E+04	6.73E+04

Grid Completion: Hydraulic Conductivity

Transect 1 Time Period 1. Nearest Neighbor Interpolation



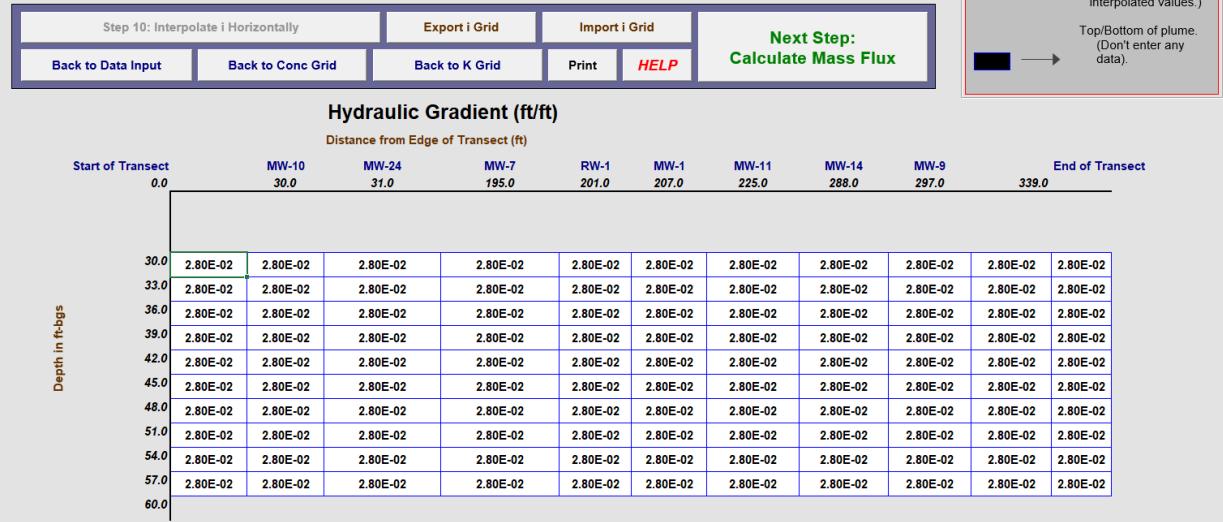
Data Input Instructions

Enter value directly.
(Values in italics represent interpolated values.)

Top/Bottom of plume.
(Don't enter any data).

Grid Completion: Hydraulic Gradient

Transect 1 Time Period 1. Constant Gradient: No Interpolation Required



Data Input Instructions

Enter value directly.
(Values in italics represent interpolated values.)

Top/Bottom of plume.
(Don't enter any data).

Mass Flux Result

TOTAL MASS FLUX **1.22E+03** (g/day) **4.44E+02** (kg/yr)

1.22E+03 (g/day) **4.44E+02** (kg/yr)

Data Representation

1. Bold values represent calculations based on given values.
 2. Values in *italics* represent calculations based on interpolation.
 3. Black shaded cells represent the top and bottom of the plume.

Next Step: Mass Flux Summary

Run/View Uncertainty Analysis (Optional)

View Final Concentration Grid

[Back to Data Grid](#)

Print

HELP

SELECT TRANSECT TO VIEW

Transect 1

SELECT TIME PERIOD TO VIEW

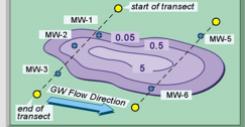
1

MtBE Mass Flux (g/day)

Distance from Edge of Transect (ft)

Time 2, Transect A-A' (Last Sampling Event Before Groundwater Recovery System Start)

Input Data and Grid

Site Location and I.D.:		26140 9901 Georgetown Pike, Great Falls, VA		Data Input Instructions <input type="checkbox"/> Enter value directly. <input checked="" type="checkbox"/> Value calculated by model <input type="checkbox"/> (Don't enter any data)																																																																																																																																																					
4. CHOOSE TRANSECT		Transect1	5. CHOOSE TIME PERIOD	2																																																																																																																																																					
6. ENTER TRANSECT DATA		1 (ft)	6.1 Distance of Transect 1 from Source	6.2 Darcy Velocity <input type="radio"/> Hydraulic Conductivity		6.3 Hydraulic Conductivity Units ft/d No Yes																																																																																																																																																			
6.4 Uniform Hydraulic Conductivity?		6.5 Uniform Hydraulic Gradient?	6.6 Sampling Interval <input type="radio"/> Mid Point of Sampling Interval	Hydraulic Gradient	2.80E-02 (ft/ft)																																																																																																																																																				
<table border="1"> <thead> <tr> <th rowspan="2">Monitoring Point</th> <th rowspan="2">Distance of Monitoring Point from Start of Transect (ft)</th> <th colspan="2">Sampling Interval (ft bgs)</th> <th rowspan="2">Plume Top (ft bgs)</th> <th rowspan="2">Plume Bottom (ft bgs)</th> <th rowspan="2">Hydraulic Conductivity (ft/d)</th> <th colspan="2">Concentration (ug/L)</th> </tr> <tr> <th>Top</th> <th>Bottom</th> <th>Constituent A</th> <th>Constituent B</th> </tr> </thead> <tbody> <tr> <td>1 Start of Transect</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>0</td> </tr> <tr> <td>2 End of Transect</td> <td>360</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>0</td> </tr> <tr> <td>3 MW-10</td> <td>30</td> <td>10</td> <td>40</td> <td>30</td> <td>60</td> <td>10.8</td> <td>0</td> <td></td> </tr> <tr> <td>4 MW-24</td> <td>31</td> <td>50</td> <td>60</td> <td>30</td> <td>60</td> <td>8.1</td> <td>21</td> <td></td> </tr> <tr> <td>5 MW-7</td> <td>195</td> <td>16</td> <td>40</td> <td>30</td> <td>60</td> <td>6.2</td> <td>72</td> <td></td> </tr> <tr> <td>6 MW-1</td> <td>207</td> <td>20</td> <td>345</td> <td>30</td> <td>60</td> <td>6.7</td> <td>20000</td> <td></td> </tr> <tr> <td>7 MW-11</td> <td>225</td> <td>10</td> <td>40</td> <td>30</td> <td>60</td> <td>5.1</td> <td>27</td> <td></td> </tr> <tr> <td>8 MW-14</td> <td>288</td> <td>25</td> <td>45</td> <td>30</td> <td>60</td> <td>6.8</td> <td>62</td> <td></td> </tr> <tr> <td>9 MW-24</td> <td>297</td> <td>25</td> <td>40</td> <td>30</td> <td>60</td> <td>6.8</td> <td>450</td> <td></td> </tr> <tr> <td>10 MW-9</td> <td>339</td> <td>25</td> <td>45</td> <td>30</td> <td>60</td> <td>0.03</td> <td>12</td> <td></td> </tr> <tr> <td>11 RW-1</td> <td>201</td> <td>21</td> <td>60</td> <td>30</td> <td>60</td> <td>4.7</td> <td>19000</td> <td></td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>15</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)	Plume Bottom (ft bgs)	Hydraulic Conductivity (ft/d)	Concentration (ug/L)		Top	Bottom	Constituent A	Constituent B	1 Start of Transect	0						0	0	2 End of Transect	360						0	0	3 MW-10	30	10	40	30	60	10.8	0		4 MW-24	31	50	60	30	60	8.1	21		5 MW-7	195	16	40	30	60	6.2	72		6 MW-1	207	20	345	30	60	6.7	20000		7 MW-11	225	10	40	30	60	5.1	27		8 MW-14	288	25	45	30	60	6.8	62		9 MW-24	297	25	40	30	60	6.8	450		10 MW-9	339	25	45	30	60	0.03	12		11 RW-1	201	21	60	30	60	4.7	19000		12									13									14									15								
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7. CHOOSE GRID (OPTIONAL)		Current Grid Number of rows: 10 Number of columns: 11	Refine Grid By 1 1	Refined Grid 10 11	8. SELECT CONSTITUENT FOR CALCULATIONS <input checked="" type="radio"/> MtBE <input type="radio"/> Constituent B																																																																																																																																																				
Next Step: Continue Data Input		Back to Transect Calculator Screen	Import MW Data	Export MW Data	See Conc/Flux Grids																																																																																																																																																				
		Clear Screen	Paste Example	Restore Table Formatting	Print	HELP																																																																																																																																																			

Grid Completion: Concentration

Transect 1 Time Period 2. Vertical Interpolation: Log Horizontal Interpolation: Log

Step 10: Interpolate Conc Horizontally		Export Conc Grid	Import Conc Grid	Next Step: Interpolate Hydraulic Conductivity Grid																																																																																																																																															
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP																																																																																																																																															
<p>MtBE Concentrations (ug/L)</p> <p>Distance from Edge of Transect (ft)</p> <table border="1"> <thead> <tr> <th>Start of Transect</th> <th>MW-10 30.0</th> <th>MW-24 31.0</th> <th>MW-7 195.0</th> <th>RW-1 201.0</th> <th>MW-1 207.0</th> <th>MW-11 225.0</th> <th>MW-14 288.0</th> <th>MW-9 297.0</th> <th>End of Transect 339.0</th> </tr> </thead> <tbody> <tr> <td>30.0</td> <td>0</td> <td>0.00E+00</td> <td>2.10E+01</td> <td>7.20E+01</td> <td>1.90E+04</td> <td>2.00E+04</td> <td>2.70E+01</td> <td>6.20E+01</td> <td>4.50E+02</td> <td>1.20E+01</td> <td>0</td> </tr> <tr> <td>33.0</td> <td>0</td> <td>0.00E+00</td> <td>2.10E+01</td> <td>7.20E+01</td> <td>1.90E+04</td> <td>2.00E+04</td> <td>2.70E+01</td> <td>6.20E+01</td> <td>4.50E+02</td> <td>1.20E+01</td> <td>0</td> </tr> <tr> <td>36.0</td> <td>0</td> <td>0.00E+00</td> <td>2.10E+01</td> <td>7.20E+01</td> <td>1.90E+04</td> <td>2.00E+04</td> <td>2.70E+01</td> <td>6.20E+01</td> <td>4.50E+02</td> <td>1.20E+01</td> <td>0</td> </tr> <tr> <td>39.0</td> <td>0</td> <td>0.00E+00</td> <td>2.10E+01</td> <td>7.20E+01</td> <td>1.90E+04</td> <td>2.00E+04</td> <td>2.70E+01</td> <td>6.20E+01</td> <td>4.50E+02</td> <td>1.20E+01</td> <td>0</td> </tr> <tr> <td>42.0</td> <td>0</td> <td>0.00E+00</td> <td>2.10E+01</td> <td>7.20E+01</td> <td>1.90E+04</td> <td>2.00E+04</td> <td>2.70E+01</td> <td>6.20E+01</td> <td>4.50E+02</td> <td>1.20E+01</td> <td>0</td> </tr> <tr> <td>45.0</td> <td>0</td> <td>0.00E+00</td> <td>2.10E+01</td> <td>7.20E+01</td> <td>1.90E+04</td> <td>2.00E+04</td> <td>2.70E+01</td> <td>6.20E+01</td> <td>4.50E+02</td> <td>1.20E+01</td> <td>0</td> </tr> <tr> <td>48.0</td> <td>0</td> <td>0.00E+00</td> <td>2.10E+01</td> <td>7.20E+01</td> <td>1.90E+04</td> <td>2.00E+04</td> <td>2.70E+01</td> <td>6.20E+01</td> <td>4.50E+02</td> <td>1.20E+01</td> <td>0</td> </tr> <tr> <td>51.0</td> <td>0</td> <td>0.00E+00</td> <td>2.10E+01</td> <td>7.20E+01</td> <td>1.90E+04</td> <td>2.00E+04</td> <td>2.70E+01</td> <td>6.20E+01</td> <td>4.50E+02</td> <td>1.20E+01</td> <td>0</td> </tr> <tr> <td>54.0</td> <td>0</td> <td>0.00E+00</td> <td>2.10E+01</td> <td>7.20E+01</td> <td>1.90E+04</td> <td>2.00E+04</td> <td>2.70E+01</td> <td>6.20E+01</td> <td>4.50E+02</td> <td>1.20E+01</td> <td>0</td> </tr> <tr> <td>57.0</td> <td>0</td> <td>0.00E+00</td> <td>2.10E+01</td> <td>7.20E+01</td> <td>1.90E+04</td> <td>2.00E+04</td> <td>2.70E+01</td> <td>6.20E+01</td> <td>4.50E+02</td> <td>1.20E+01</td> <td>0</td> </tr> <tr> <td>60.0</td> <td>0</td> <td>0.00E+00</td> <td>2.10E+01</td> <td>7.20E+01</td> <td>1.90E+04</td> <td>2.00E+04</td> <td>2.70E+01</td> <td>6.20E+01</td> <td>4.50E+02</td> <td>1.20E+01</td> <td>0</td> </tr> </tbody> </table>						Start of Transect	MW-10 30.0	MW-24 31.0	MW-7 195.0	RW-1 201.0	MW-1 207.0	MW-11 225.0	MW-14 288.0	MW-9 297.0	End of Transect 339.0	30.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0	33.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0	36.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0	39.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0	42.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0	45.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0	48.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0	51.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0	54.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0	57.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0	60.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0
Start of Transect	MW-10 30.0	MW-24 31.0	MW-7 195.0	RW-1 201.0	MW-1 207.0	MW-11 225.0	MW-14 288.0	MW-9 297.0	End of Transect 339.0																																																																																																																																										
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36.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0																																																																																																																																								
39.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0																																																																																																																																								
42.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0																																																																																																																																								
45.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0																																																																																																																																								
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60.0	0	0.00E+00	2.10E+01	7.20E+01	1.90E+04	2.00E+04	2.70E+01	6.20E+01	4.50E+02	1.20E+01	0																																																																																																																																								

Data Input Instructions
 Enter value directly.
 Value (Values in italics represent interpolated values.)
 Top/Bottom of plume.
 Value (Don't enter any data.)

Grid Completion: Hydraulic Conductivity

Transect 1 Time Period 2. Nearest Neighbor Interpolation

Step 10: Interpolate K Horizontally		Export K Grid		Import K Grid		Next Step: View Hydraulic Gradient Grid						
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP								
Hydraulic Conductivity (ft/d)												
Distance from Edge of Transect (ft)												
Start of Transect	MW-10 30.0	MW-24 31.0	MW-7 195.0	RW-1 201.0	MW-1 207.0	MW-11 225.0	MW-14 288.0	MW-9 297.0	End of Transect 339.0			
Depth in ft-bgs	30.0	1.08E+01	1.08E+01	1.08E+01	6.20E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02	3.00E-02
	33.0	1.08E+01	1.08E+01	1.08E+01	6.20E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02	3.00E-02
	36.0	1.08E+01	1.08E+01	1.08E+01	6.20E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02	3.00E-02
	39.0	1.08E+01	1.08E+01	1.08E+01	6.20E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02	3.00E-02
	42.0	1.08E+01	1.08E+01	1.08E+01	5.45E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02	3.00E-02
	45.0	1.08E+01	8.10E+00	8.10E+00	4.70E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02	3.00E-02
	48.0	1.08E+01	8.10E+00	8.10E+00	4.70E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02	3.00E-02
	51.0	1.08E+01	8.10E+00	8.10E+00	4.70E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02	3.00E-02
	54.0	1.08E+01	8.10E+00	8.10E+00	4.70E+00	4.70E+00	6.70E+00	5.90E+00	6.80E+00	6.80E+00	3.00E-02	3.00E-02
	57.0	1.08E+01	8.10E+00	8.10E+00	4.70E+00	4.70E+00	6.70E+00	6.70E+00	6.80E+00	6.80E+00	3.00E-02	3.00E-02
60.0												

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data).

Grid Completion: Hydraulic Gradient

Transect 1 Time Period 2. Constant Gradient: No Interpolation Required

Step 10: Interpolate i Horizontally		Export i Grid		Import i Grid		Next Step: Calculate Mass Flux						
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP								
Hydraulic Gradient (ft/ft)												
Distance from Edge of Transect (ft)												
Start of Transect	MW-10 30.0	MW-24 31.0	MW-7 195.0	RW-1 201.0	MW-1 207.0	MW-11 225.0	MW-14 288.0	MW-9 297.0	End of Transect 339.0			
Depth in ft-bgs	30.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	
	33.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
	36.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
	39.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
	42.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
	45.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
	48.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
	51.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
	54.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
	57.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
60.0												

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data).

Mass Flux Result

TOTAL MASS FLUX **5.45E+01** (g/day) **1.99E+01** (kg/yr)

5.45E+01 (g/day)

1.99E+01 (kg/yr)

Data Representation

1. Bold values represent calculations based on given values.
 2. Values in italics represent calculations based on interpolation.
 3. Black shaded cells represent the top and bottom of the plume.

Next Step: Mass Flux Summary

Run/View Uncertainty Analysis (Optional)

View Final Concentration Grid

[Back to Data Grid](#)

[Print](#)

HELP

ELP

SELECT TRANSECT TO VIEW

Transect 1

2

MtBE Mass Flux (g/day)

Distance from Edge of Transect (ft)

Time 3, Transect A-A' (2Q 2020)

Input Data and Grid

Site Location and I.D.:		26140 Description: 9901 Georgetown Pike, Great Falls, VA		Data Input Instructions <input type="checkbox"/> Enter value directly. <input checked="" type="checkbox"/> Value calculated by model (Don't enter any data)																																																																																																																																																					
4. CHOOSE TRANSECT		Transect 1		5. CHOOSE TIME PERIOD																																																																																																																																																					
6. ENTER TRANSECT DATA		6.1 Distance of Transect 1 from Source → 1 (ft)																																																																																																																																																							
6.2 <input type="radio"/> Darcy Velocity <input checked="" type="radio"/> Hydraulic Conductivity		6.6 <input checked="" type="radio"/> Sampling Interval <input type="radio"/> Mid Point of Sampling Interval																																																																																																																																																							
6.3 Hydraulic Conductivity Units <input type="radio"/> ft/d 6.4 Uniform Hydraulic Conductivity? <input type="radio"/> No 6.5 Uniform Hydraulic Gradient? <input type="radio"/> Yes				Hydraulic Gradient → 2.80E-02 (ft/ft)																																																																																																																																																					
<table border="1"> <thead> <tr> <th rowspan="2">Monitoring Point</th> <th rowspan="2">Distance of Monitoring Point from Start of Transect (ft)</th> <th colspan="2">Sampling Interval (ft bgs)</th> <th rowspan="2">Plume Top (ft bgs)</th> <th rowspan="2">Plume Bottom (ft bgs)</th> <th rowspan="2">Hydraulic Conductivity (ft/d)</th> <th colspan="2">Concentration (ug/L)</th> </tr> <tr> <th>Top</th> <th>Bottom</th> <th>Constituent A</th> <th>Constituent B</th> </tr> </thead> <tbody> <tr><td>1 Start of Transect</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>2 End of Transect</td><td>360</td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>3 MW-10</td><td>30</td><td>10</td><td>40</td><td>30</td><td>60</td><td>10.8</td><td>0</td><td></td></tr> <tr><td>4 MW-24</td><td>31</td><td>50</td><td>60</td><td>30</td><td>60</td><td>8.1</td><td>0</td><td></td></tr> <tr><td>5 MW-7</td><td>195</td><td>16</td><td>40</td><td>30</td><td>60</td><td>6.2</td><td>0</td><td></td></tr> <tr><td>6 MW-1R</td><td>207</td><td>20</td><td>345</td><td>30</td><td>60</td><td>6.7</td><td>4</td><td></td></tr> <tr><td>7 MW-11</td><td>225</td><td>10</td><td>40</td><td>30</td><td>60</td><td>5.1</td><td>4</td><td></td></tr> <tr><td>8 MW-14</td><td>288</td><td>25</td><td>45</td><td>30</td><td>60</td><td>6.8</td><td>0</td><td></td></tr> <tr><td>9 MW-24</td><td>297</td><td>25</td><td>40</td><td>30</td><td>60</td><td>6.8</td><td>0</td><td></td></tr> <tr><td>10 MW-9</td><td>339</td><td>25</td><td>45</td><td>30</td><td>60</td><td>0.03</td><td>1</td><td></td></tr> <tr><td>11 RW-1</td><td>201</td><td>21</td><td>60</td><td>30</td><td>60</td><td>4.7</td><td>470</td><td></td></tr> <tr><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>13</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>14</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>15</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>						Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)	Plume Bottom (ft bgs)	Hydraulic Conductivity (ft/d)	Concentration (ug/L)		Top	Bottom	Constituent A	Constituent B	1 Start of Transect	0						0	0	2 End of Transect	360						0	0	3 MW-10	30	10	40	30	60	10.8	0		4 MW-24	31	50	60	30	60	8.1	0		5 MW-7	195	16	40	30	60	6.2	0		6 MW-1R	207	20	345	30	60	6.7	4		7 MW-11	225	10	40	30	60	5.1	4		8 MW-14	288	25	45	30	60	6.8	0		9 MW-24	297	25	40	30	60	6.8	0		10 MW-9	339	25	45	30	60	0.03	1		11 RW-1	201	21	60	30	60	4.7	470		12									13									14									15								
Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)	Plume Bottom (ft bgs)			Hydraulic Conductivity (ft/d)	Concentration (ug/L)																																																																																																																																																
		Top	Bottom			Constituent A	Constituent B																																																																																																																																																		
1 Start of Transect	0						0	0																																																																																																																																																	
2 End of Transect	360						0	0																																																																																																																																																	
3 MW-10	30	10	40	30	60	10.8	0																																																																																																																																																		
4 MW-24	31	50	60	30	60	8.1	0																																																																																																																																																		
5 MW-7	195	16	40	30	60	6.2	0																																																																																																																																																		
6 MW-1R	207	20	345	30	60	6.7	4																																																																																																																																																		
7 MW-11	225	10	40	30	60	5.1	4																																																																																																																																																		
8 MW-14	288	25	45	30	60	6.8	0																																																																																																																																																		
9 MW-24	297	25	40	30	60	6.8	0																																																																																																																																																		
10 MW-9	339	25	45	30	60	0.03	1																																																																																																																																																		
11 RW-1	201	21	60	30	60	4.7	470																																																																																																																																																		
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7. CHOOSE GRID (OPTIONAL)		Current Grid Number of rows: 10 Number of columns: 11		Refine Grid By 1 10 1 11		8. SELECT CONSTITUENT FOR CALCULATIONS <input checked="" type="radio"/> MtBE <input type="radio"/> Constituent B																																																																																																																																																			
Next Step: Continue Data Input		Back to Transect Calculator Screen		Import MW Data		Export MW Data																																																																																																																																																			
Clear Screen		Paste Example		Restore Table Formatting		Print																																																																																																																																																			
						HELP																																																																																																																																																			

Grid Completion: Concentration

Transect 1 Time Period 3. Vertical Interpolation: Log Horizontal Interpolation: Log

Step 10: Interpolate Conc Horizontally		Export Conc Grid	Import Conc Grid	Next Step: Interpolate Hydraulic Conductivity Grid						
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP						
MtBE Concentrations (ug/L) Distance from Edge of Transect (ft)										
Start of Transect 0.0	MW-10 30.0	MW-24 31.0	MW-7 195.0	RW-1 201.0	MW-1R 207.0	MW-11 225.0	MW-14 288.0	MW-9 297.0	End of Transect 339.0	
Depth in ft-bgs	30.0	0.00E+00	0.00E+00	0.00E+00	4.70E+02	4.00E+00	4.00E+00	0.00E+00	1.00E+00	0
	33.0	0.00E+00	0.00E+00	0.00E+00	4.70E+02	4.00E+00	4.00E+00	0.00E+00	1.00E+00	0
	36.0	0.00E+00	0.00E+00	0.00E+00	4.70E+02	4.00E+00	4.00E+00	0.00E+00	1.00E+00	0
	39.0	0.00E+00	0.00E+00	0.00E+00	4.70E+02	4.00E+00	4.00E+00	0.00E+00	1.00E+00	0
	42.0	0.00E+00	0.00E+00	0.00E+00	4.70E+02	4.00E+00	4.00E+00	0.00E+00	1.00E+00	0
	45.0	0.00E+00	0.00E+00	0.00E+00	4.70E+02	4.00E+00	4.00E+00	0.00E+00	1.00E+00	0
	48.0	0.00E+00	0.00E+00	0.00E+00	4.70E+02	4.00E+00	4.00E+00	0.00E+00	1.00E+00	0
	51.0	0.00E+00	0.00E+00	0.00E+00	4.70E+02	4.00E+00	4.00E+00	0.00E+00	1.00E+00	0
	54.0	0.00E+00	0.00E+00	0.00E+00	4.70E+02	4.00E+00	4.00E+00	0.00E+00	1.00E+00	0
	57.0	0.00E+00	0.00E+00	0.00E+00	4.70E+02	4.00E+00	4.00E+00	0.00E+00	1.00E+00	0
	60.0									

Data Input Instructions
 Enter value directly.
 (Values in italics represent interpolated values.)

 Top/Bottom of plume.
 (Don't enter any data.)

Grid Completion: Hydraulic Conductivity

Transect 1 Time Period 3. Nearest Neighbor Interpolation

Step 10: Interpolate K Horizontally			Export K Grid	Import K Grid	Next Step: View Hydraulic Gradient Grid			
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP				

Hydraulic Conductivity (ft/d)
Distance from Edge of Transect (ft)

Start of Transect	MW-10 30.0	MW-24 31.0	MW-7 195.0	RW-1 201.0	MW-1R 207.0	MW-11 225.0	MW-14 288.0	MW-9 297.0	End of Transect 339.0	
0.0										
30.0	1.08E+01	1.08E+01	1.08E+01	6.20E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02
33.0	1.08E+01	1.08E+01	1.08E+01	6.20E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02
36.0	1.08E+01	1.08E+01	1.08E+01	6.20E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02
39.0	1.08E+01	1.08E+01	1.08E+01	6.20E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02
42.0	1.08E+01	1.08E+01	1.08E+01	5.45E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02
45.0	1.08E+01	8.10E+00	8.10E+00	4.70E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02
48.0	1.08E+01	8.10E+00	8.10E+00	4.70E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02
51.0	1.08E+01	8.10E+00	8.10E+00	4.70E+00	4.70E+00	6.70E+00	5.10E+00	6.80E+00	6.80E+00	3.00E-02
54.0	1.08E+01	8.10E+00	8.10E+00	4.70E+00	4.70E+00	6.70E+00	5.90E+00	6.80E+00	6.80E+00	3.00E-02
57.0	1.08E+01	8.10E+00	8.10E+00	4.70E+00	4.70E+00	6.70E+00	6.70E+00	6.80E+00	6.80E+00	3.00E-02
60.0										

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data).

Grid Completion: Hydraulic Gradient

Transect 1 Time Period 3. Constant Gradient: No Interpolation Required

Step 10: Interpolate i Horizontally			Export i Grid	Import i Grid	Next Step: Calculate Mass Flux			
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP				

Hydraulic Gradient (ft/ft)
Distance from Edge of Transect (ft)

Start of Transect	MW-10 30.0	MW-24 31.0	MW-7 195.0	RW-1 201.0	MW-1R 207.0	MW-11 225.0	MW-14 288.0	MW-9 297.0	End of Transect 339.0
0.0									
30.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
33.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
36.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
39.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
42.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
45.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
48.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
51.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
54.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
57.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
60.0									

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data).

Mass Flux Result

TOTAL MASS FLUX **3.44E-01** (g/day) **1.25E-01** (kg/yr)

3.44E-01 (g/day) **1.25E-01** (kg/yr)

Data Representation

1. Bold values represent calculations based on given values.
 2. Values in italics represent calculations based on interpolation.
 3. Black shaded cells represent the top and bottom of the plume.

Next Step: Mass Flux Summary

Run/View Uncertainty Analysis (Optional)

View Final Concentration Grid

[Back to Data Grid](#)

Print

HELP

SELECT TRANSECT TO VIEW

Transect 1 ▾

3

MtBE Mass Flux (g/day)

Distance from Edge of Transect (ft)

Grid Completion: Hydraulic Conductivity

Transect 2 Time Period 1. Nearest Neighbor Interpolation

Step 10: Interpolate K Horizontally		Export K Grid	Import K Grid	Next Step: View Hydraulic Gradient Grid	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP	

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

10.80 →

Top/Bottom of plume.
(Don't enter any
data.)

Hydraulic Conductivity (ft/d)

Distance from Edge of Transect (ft)

Start of Transect	W-6	MW-21S	MW-21I	W-1	W-2	W-3	End of Transect
0.0	15.0	75.0	76.0	78.0	141.0	183.0	195.0
30.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01	4.46E+01	5.26E+01
33.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01	4.46E+01	5.26E+01
36.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01	4.46E+01	5.26E+01
39.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.86E+01	4.46E+01	5.26E+01
42.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01
45.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01
48.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01
51.0	4.46E+01	4.46E+01	8.63E+01	8.63E+01	8.63E+01	4.46E+01	5.26E+01
54.0	4.46E+01	4.46E+01	8.63E+01	8.63E+01	8.63E+01	4.46E+01	5.26E+01
57.0	4.46E+01	4.46E+01	8.63E+01	8.63E+01	8.63E+01	4.46E+01	5.26E+01
60.0							

Grid Completion: Hydraulic Gradient

Transect 2 Time Period 1. Constant Gradient: No Interpolation Required

Step 10: Interpolate i Horizontally		Export i Grid	Import i Grid	Next Step: Calculate Mass Flux	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP	

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

10.80 →

Top/Bottom of plume.
(Don't enter any
data.)

Hydraulic Gradient (ft/ft)

Distance from Edge of Transect (ft)

Start of Transect	W-6	MW-21S	MW-21I	W-1	W-2	W-3	End of Transect
0.0	15.0	75.0	76.0	78.0	141.0	183.0	195.0
30.0	2.80E-02						
33.0	2.80E-02						
36.0	2.80E-02						
39.0	2.80E-02						
42.0	2.80E-02						
45.0	2.80E-02						
48.0	2.80E-02						
51.0	2.80E-02						
54.0	2.80E-02						
57.0	2.80E-02						
60.0							

Mass Flux Result

TOTAL MASS FLUX **1.16E+03** (g/day) **4.23E+02** (kg/yr)

1.16E+03 (g/day) **4.23E+02** (kg/yr)

Data Representation

1. **Bold** values represent calculations based on given values.
 2. Values in *italics* represent calculations based on interpolation.
 3. Black shaded cells represent the top and bottom of the plume.

Next Step: Mass Flux Summary

Run/View Uncertainty Analysis (Optional)

View Final Concentration Grid

[Back to Data Grid](#)

Print

HELP

SELECT TRANSECT TO VIEW

Transect 2

1

MtBE Mass Flux (g/day)

Distance from Edge of Transect (ft)

Time 2, Transect B-B' (Last Sampling Event Before Groundwater Recovery System Start)

Input Data and Grid

Site Location and I.D.:		26140 9901 Georgetown Pike, Great Falls, VA		Data Input Instructions <input type="checkbox"/> Enter value directly. <input checked="" type="checkbox"/> Value calculated by model (Don't enter any data)				
4. CHOOSE TRANSECT		Transect 2	5. CHOOSE TIME PERIOD	2				
6. ENTER TRANSECT DATA		100 (ft)	Sampling Interval	Mid Point of Sampling Interval				
6.1 Distance of Transect 2 from Source		6.2 Darcy Velocity	Hydraulic Conductivity	6.6 Sampling Interval				
6.3 Hydraulic Conductivity Units		ft/d	No	Yes	Hydraulic Gradient			
6.4 Uniform Hydraulic Conductivity?					2.80E-02 (ft/ft)			
6.5 Uniform Hydraulic Gradient?								
Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)	Plume Bottom (ft bgs)	Hydraulic Conductivity (ft/d)	Concentration (ug/L)	
		Top	Bottom				Constituent A	Constituent B
1	Start of Transect	0					0	0
2	End of Transect	195					0	0
3	W-6	15	20	40	30	44.6	0	
4	MW-21S	75	26	46	30	44.6	53	
5	MW-21I	76	56	66	30	86.3	1700	
6	W-1	78	20	40	30	52.6	15000	
7	W-2	141	20	40	30	44.6	5000	
8	W-3	183	20	40	30	52.6	0	
9								
10								
11								
12								
13								
14								
15								

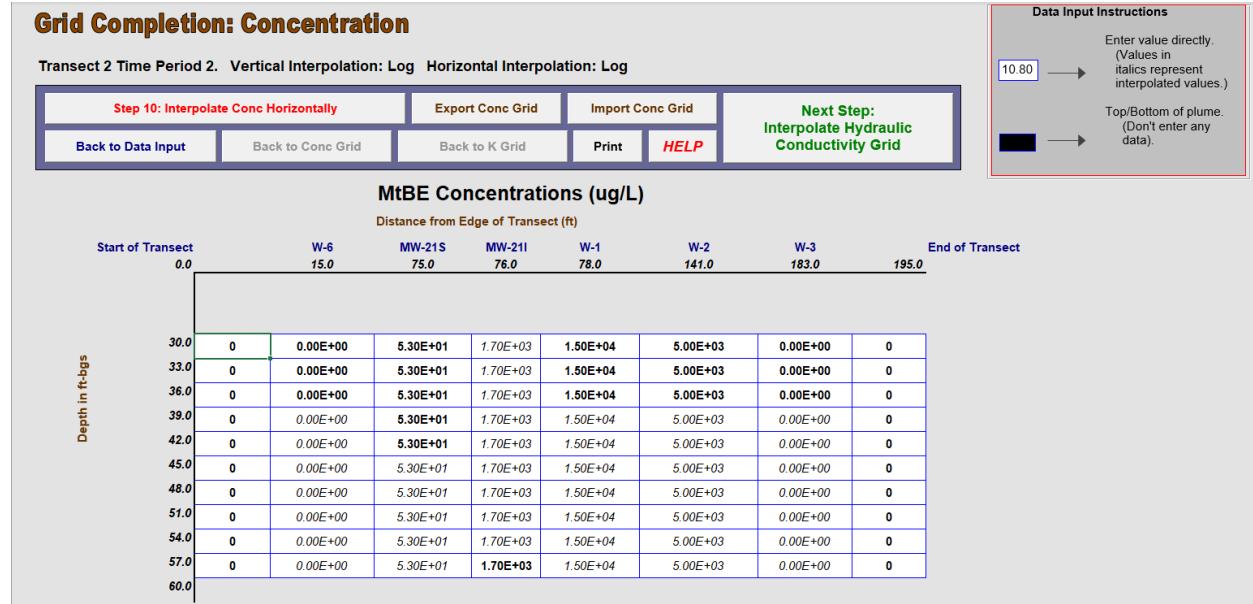
7. CHOOSE GRID (OPTIONAL)

Current Grid	Refine Grid By	Refined Grid	8. SELECT CONSTITUENT FOR CALCULATIONS
Number of rows: 10 Number of columns: 8	1 1	10 8	<input checked="" type="radio"/> MtBE <input type="radio"/> Constituent B

Next Step:
Continue Data Input

Back to Transect Calculator Screen Import MW Data Export MW Data See Conc/Flux Grids

Clear Screen Paste Example Restore Table Formatting Print HELP



Grid Completion: Hydraulic Conductivity

Transect 2 Time Period 2. Nearest Neighbor Interpolation

Step 10: Interpolate K Horizontally		Export K Grid		Import K Grid		Next Step: View Hydraulic Gradient Grid	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP			

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data.)

Hydraulic Conductivity (ft/d)

Distance from Edge of Transect (ft)

Start of Transect	W-6	MW-21S	MW-21I	W-1	W-2	W-3	End of Transect
0.0	15.0	75.0	76.0	78.0	141.0	183.0	195.0
30.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01	4.46E+01	5.26E+01
33.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01	4.46E+01	5.26E+01
36.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01	4.46E+01	5.26E+01
39.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.86E+01	4.46E+01	5.26E+01
42.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01
45.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01
48.0	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	4.46E+01	5.26E+01
51.0	4.46E+01	4.46E+01	8.63E+01	8.63E+01	8.63E+01	4.46E+01	5.26E+01
54.0	4.46E+01	4.46E+01	8.63E+01	8.63E+01	8.63E+01	4.46E+01	5.26E+01
57.0	4.46E+01	4.46E+01	8.63E+01	8.63E+01	4.46E+01	5.26E+01	5.26E+01
60.0							

Grid Completion: Hydraulic Gradient

Transect 2 Time Period 2. Constant Gradient: No Interpolation Required

Step 10: Interpolate i Horizontally		Export i Grid		Import i Grid		Next Step: Calculate Mass Flux	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP			

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data.)

Hydraulic Gradient (ft/ft)

Distance from Edge of Transect (ft)

Start of Transect	W-6	MW-21S	MW-21I	W-1	W-2	W-3	End of Transect
0.0	15.0	75.0	76.0	78.0	141.0	183.0	195.0
30.0	2.80E-02						
33.0	2.80E-02						
36.0	2.80E-02						
39.0	2.80E-02						
42.0	2.80E-02						
45.0	2.80E-02						
48.0	2.80E-02						
51.0	2.80E-02						
54.0	2.80E-02						
57.0	2.80E-02						
60.0							

Mass Flux Result

TOTAL MASS FLUX **9.79E+02** (g/day) **3.57E+02** (kg/yr)

Data Representation

1. Bold values represent calculations based on given values.
2. Values in italics represent calculations based on interpolation.
3. Black shaded cells represent the top and bottom of the plume.

Next Step: Mass Flux Summary

Run/View Uncertainty Analysis (Optional)

[View Final Concentration Grid](#)

[Back to Data Grid](#)

[Print](#)

[HELP](#)

SELECT TRANSECT TO VIEW

Transect 2

SELECT TIME PERIOD TO VIEW

2

MtBE Mass Flux (g/day)

Distance from Edge of Transect (ft)

Start of Transect 0.0	W-6 15.0	MW-21S 75.0	MW-21I 76.0	W-1 78.0	W-2 141.0	W-3 183.0	End of Transect 195.0
30.0	0	0.00E+00	1.72E-01	2.71E-01	6.10E+01	2.79E+01	0.00E+00
33.0	0	0.00E+00	1.72E-01	2.71E-01	6.10E+01	2.79E+01	0.00E+00
36.0	0	0.00E+00	1.72E-01	2.71E-01	6.10E+01	2.79E+01	0.00E+00
39.0	0	0.00E+00	1.72E-01	2.71E-01	<i>5.64E+01</i>	<i>2.79E+01</i>	0.00E+00
42.0	0	0.00E+00	1.72E-01	2.71E-01	<i>5.17E+01</i>	<i>2.79E+01</i>	0.00E+00
45.0	0	0.00E+00	1.72E-01	2.71E-01	<i>5.17E+01</i>	<i>2.79E+01</i>	0.00E+00
48.0	0	0.00E+00	1.72E-01	2.71E-01	<i>5.17E+01</i>	<i>2.79E+01</i>	0.00E+00
51.0	0	0.00E+00	3.32E-01	5.24E-01	<i>1.00E+02</i>	<i>2.79E+01</i>	0.00E+00
54.0	0	0.00E+00	3.32E-01	5.24E-01	<i>1.00E+02</i>	<i>2.79E+01</i>	0.00E+00
57.0	0	0.00E+00	3.32E-01	5.24E-01	<i>1.00E+02</i>	<i>2.79E+01</i>	0.00E+00
60.0							

Time 3, Transect B-B' (2Q 2020)

Input Data and Grid

Site Location and I.D.:		26140 9901 Georgetown Pike, Great Falls, VA		Data Input Instructions <input type="checkbox"/> Enter value directly. <input checked="" type="checkbox"/> Value calculated by model (Don't enter any data)				
4. CHOOSE TRANSECT		Transect 2		5. CHOOSE TIME PERIOD				
6. ENTER TRANSECT DATA		6.1 Distance of Transect 2 from Source → 100 (ft)		6.2 <input type="radio"/> Darcy Velocity <input checked="" type="radio"/> Hydraulic Conductivity 6.6 <input checked="" type="radio"/> Sampling Interval <input type="radio"/> Mid Point of Sampling Interval				
6.3 Hydraulic Conductivity Units ft/d No Yes		6.4 Uniform Hydraulic Conductivity? 6.5 Uniform Hydraulic Gradient?		Hydraulic Gradient → 2.80E-02 (ft/ft)				
Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)	Plume Bottom (ft bgs)	Hydraulic Conductivity (ft/d)	Concentration (ug/L)	
		Top	Bottom				Constituent A	Constituent B
		MtBE						
1 Start of Transect	0					0	0	
2 End of Transect	195					0	0	
3 W-6	15	20	40	30	60	44.6	0	
4 MW-21S	75	26	46	30	60	44.6	0.6	
5 MW-21I	76	56	66	30	60	86.3	0.5	
6 W-1	78	20	40	30	60	52.6	360	
7 W-2	141	20	40	30	60	44.6	59	
8 W-3	183	20	40	30	60	52.6	0	
9								
10								
11								
12								
13								
14								
15								

7. CHOOSE GRID (OPTIONAL) Current Grid → Refine Grid By → Refined Grid → 8. SELECT CONSTITUENT FOR CALCULATIONS

Number of rows: 10 Number of columns: 8 MtBE Constituent B

Next Step:
Continue Data Input Back to Transect Calculator Screen Import MW Data Export MW Data See Conc/Flux Grids

Clear Screen Paste Example Restore Table Formatting Print HELP

Grid Completion: Concentration

Transect 2 Time Period 3. Vertical Interpolation: Log Horizontal Interpolation: Log

Step 10: Interpolate Conc Horizontally		Export Conc Grid	Import Conc Grid	Next Step: Interpolate Hydraulic Conductivity Grid	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP	

MtBE Concentrations (ug/L)

Distance from Edge of Transect (ft)

Start of Transect	W-6	MW-21S	MW-21I	W-1	W-2	W-3	End of Transect	
0.0	15.0	75.0	76.0	78.0	141.0	183.0	195.0	
30.0	0	0.00E+00	6.00E-01	5.00E-01	3.60E+02	5.90E+01	0.00E+00	0
33.0	0	0.00E+00	6.00E-01	5.00E-01	3.60E+02	5.90E+01	0.00E+00	0
36.0	0	0.00E+00	6.00E-01	5.00E-01	3.60E+02	5.90E+01	0.00E+00	0
39.0	0	0.00E+00	6.00E-01	5.00E-01	3.60E+02	5.90E+01	0.00E+00	0
42.0	0	0.00E+00	6.00E-01	5.00E-01	3.60E+02	5.90E+01	0.00E+00	0
45.0	0	0.00E+00	6.00E-01	5.00E-01	3.60E+02	5.90E+01	0.00E+00	0
48.0	0	0.00E+00	6.00E-01	5.00E-01	3.60E+02	5.90E+01	0.00E+00	0
51.0	0	0.00E+00	6.00E-01	5.00E-01	3.60E+02	5.90E+01	0.00E+00	0
54.0	0	0.00E+00	6.00E-01	5.00E-01	3.60E+02	5.90E+01	0.00E+00	0
57.0	0	0.00E+00	6.00E-01	5.00E-01	3.60E+02	5.90E+01	0.00E+00	0
60.0								

Data Input Instructions
 Enter value directly.
Values in *italicics* represent interpolated values.)
 Top/Bottom of plume.
(Don't enter any data).

Mass Flux Result

TOTAL MASS FLUX **2.00E+01** (g/day) **7.30E+00** (kg/yr)

Data Representation

1. Bold values represent calculations based on given values.
2. Values in italics represent calculations based on interpolation.
3. Black shaded cells represent the top and bottom of the plume.

Next Step: Mass Flux Summary

Run/View Uncertainty Analysis (Optional)

[View Final Concentration Grid](#)

[Back to Data Grid](#)

[Print](#)

[HELP](#)

SELECT TRANSECT TO VIEW

Transect 2

SELECT TIME PERIOD TO VIEW

3

MtBE Mass Flux (g/day)

Distance from Edge of Transect (ft)

Start of Transect	W-6	MW-21S	MW-21I	W-1	W-2	W-3	End of Transect
0.0	15.0	75.0	76.0	78.0	141.0	183.0	195.0
30.0	0	0.00E+00	1.94E-03	7.96E-05	1.46E+00	3.29E-01	0.00E+00
33.0	0	0.00E+00	1.94E-03	7.96E-05	1.46E+00	3.29E-01	0.00E+00
36.0	0	0.00E+00	1.94E-03	7.96E-05	1.46E+00	3.29E-01	0.00E+00
39.0	0	0.00E+00	1.94E-03	7.96E-05	<i>1.35E+00</i>	3.29E-01	0.00E+00
42.0	0	0.00E+00	1.94E-03	7.96E-05	<i>1.24E+00</i>	3.29E-01	0.00E+00
45.0	0	0.00E+00	1.94E-03	7.96E-05	<i>1.24E+00</i>	3.29E-01	0.00E+00
48.0	0	0.00E+00	1.94E-03	7.96E-05	<i>1.24E+00</i>	3.29E-01	0.00E+00
51.0	0	0.00E+00	3.76E-03	<i>1.54E-04</i>	<i>2.40E+00</i>	3.29E-01	0.00E+00
54.0	0	0.00E+00	3.76E-03	<i>1.54E-04</i>	<i>2.40E+00</i>	3.29E-01	0.00E+00
57.0	0	0.00E+00	3.76E-03	1.54E-04	<i>2.40E+00</i>	3.29E-01	0.00E+00
60.0							

Time 1, Transect C-C' (Historical Average)

Input Data and Grid

Site Location and I.D.:		26140 9901 Georgetown Pike, Great Falls, VA		Data Input Instructions <input type="checkbox"/> Enter value directly. <input checked="" type="checkbox"/> Value calculated by model (Don't enter any data)			
4. CHOOSE TRANSECT		Transect 3		5. CHOOSE TIME PERIOD			
6. ENTER TRANSECT DATA		6.1 Distance of Transect 3 from Source → 276 (ft)					
6.2		<input type="radio"/> Darcy Velocity	<input checked="" type="radio"/> Hydraulic Conductivity	6.6	<input checked="" type="radio"/> Sampling Interval <input type="radio"/> Mid Point of Sampling Interval		
6.3		Hydraulic Conductivity Units		Hydraulic Conductivity			
6.4		Uniform Hydraulic Conductivity?		1.04E+02 (ft/d)			
6.5		Uniform Hydraulic Gradient?		2.80E-02 (ft/ft)			
Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)	Plume Bottom (ft bgs)	Concentration (ug/L)	
		Sampling Interval (ft bgs)				Concentration (ug/L)	
		Top	Bottom			Constituent A	Constituent B
MtBE							
1 Start of Transect	0					0	0
2 End of Transect	213					0	0
3 MW-22	27	20	40	30	40	0.01	
4 MW-27S	30	20	40	30	40	0.01	
5 W-7	108	20	40	30	40	16	
6 W-5	168	20	40	30	40	0.01	
7 W-4	210	20	40	30	40	19	
8							
9							
10							
11							
12							
13							
14							
15							
7. CHOOSE GRID (OPTIONAL)		Current Grid Number of rows: 10 Number of columns: 7		Refine Grid By 1 10 1 7		8. SELECT CONSTITUENT FOR CALCULATIONS <input checked="" type="radio"/> MtBE <input type="radio"/> Constituent B	
Next Step: Continue Data Input		Back to Transect Calculator Screen		Import MW Data		Export MW Data	
Clear Screen		Paste Example		Restore Table Formatting		Print	
						HELP	

Grid Completion: Concentration

Transect 3 Time Period 1. No Interpolation Required (No Space Available in Grid for Interpolation).

Step 10: Interpolate Conc Horizontally		Export Conc Grid		Import Conc Grid		Next Step: View Hydraulic Conductivity Grid	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP			
MtBE Concentrations (ug/L)							
Distance from Edge of Transect (ft)							
Start of Transect	MW-22 27.0	MW-27S 30.0	W-7 108.0	W-5 168.0	W-4 210.0	End of Transect 213.0	
Depth in ft-bgs	30.0	0 1.00E-02 1.00E-02 1.60E+01 1.00E-02 1.90E+01 0	31.0	0 1.00E-02 1.00E-02 1.60E+01 1.00E-02 1.90E+01 0	32.0	0 1.00E-02 1.00E-02 1.60E+01 1.00E-02 1.90E+01 0	
	33.0	0 1.00E-02 1.00E-02 1.60E+01 1.00E-02 1.90E+01 0	34.0	0 1.00E-02 1.00E-02 1.60E+01 1.00E-02 1.90E+01 0	35.0	0 1.00E-02 1.00E-02 1.60E+01 1.00E-02 1.90E+01 0	
	36.0	0 1.00E-02 1.00E-02 1.60E+01 1.00E-02 1.90E+01 0	37.0	0 1.00E-02 1.00E-02 1.60E+01 1.00E-02 1.90E+01 0	38.0	0 1.00E-02 1.00E-02 1.60E+01 1.00E-02 1.90E+01 0	
	39.0	0 1.00E-02 1.00E-02 1.60E+01 1.00E-02 1.90E+01 0					

Data Input Instructions
 Enter value directly.
(Values in italics represent interpolated values.)

Top/Bottom of plume.
(Don't enter any data.)

Mass Flux Result

TOTAL MASS FLUX **1.26E+00** (g/day) **4.61E-01** (kg/yr)

Data Representation

1. Bold values represent calculations based on given values.
2. Values in italics represent calculations based on interpolation.
3. Black shaded cells represent the top and bottom of the plume.

Next Step: Mass Flux Summary

Run/View Uncertainty Analysis (Optional)

View Final Concentration Grid

[Back to Data Grid](#)

[Print](#)

HELP

SELECT TRANSECT TO VIEW

Transect 3

SELECT TIME PERIOD TO VIEW

1

MtBE Mass Flux (g/day)

Distance from Edge of Transect (ft)

Start of Transect	MW-22 27.0	MW-27S 30.0	W-7 108.0	W-5 168.0	W-4 210.0	End of Transect
-------------------	---------------	----------------	--------------	--------------	--------------	-----------------

Depth in ft bgs

30.0	0	1.24E-05	3.34E-05	9.11E-02	4.21E-05	3.53E-02	0
31.0	0	1.24E-05	3.34E-05	9.11E-02	4.21E-05	3.53E-02	0
32.0	0	1.24E-05	3.34E-05	9.11E-02	4.21E-05	3.53E-02	0
33.0	0	1.24E-05	3.34E-05	9.11E-02	4.21E-05	3.53E-02	0
34.0	0	1.24E-05	3.34E-05	9.11E-02	4.21E-05	3.53E-02	0
35.0	0	1.24E-05	3.34E-05	9.11E-02	4.21E-05	3.53E-02	0
36.0	0	1.24E-05	3.34E-05	9.11E-02	4.21E-05	3.53E-02	0
37.0	0	1.24E-05	3.34E-05	9.11E-02	4.21E-05	3.53E-02	0
38.0	0	1.24E-05	3.34E-05	9.11E-02	4.21E-05	3.53E-02	0
39.0	0	1.24E-05	3.34E-05	9.11E-02	4.21E-05	3.53E-02	0
40.0	0	1.24E-05	3.34E-05	9.11E-02	4.21E-05	3.53E-02	0

Time 2, Transect C-C' (Last Sampling Event Before Groundwater Recovery System Start)

Input Data and Grid

Site Location and I.D.: **26140**
Description: **9901 Georgetown Pike, Great Falls, VA**

Data Input Instructions

- Enter value directly.
- Value calculated by model (Don't enter any data)

4. CHOOSE TRANSECT

Transect 3

5. CHOOSE TIME PERIOD

2

6. ENTER TRANSECT DATA

6.1 Distance of Transect 3 from Source → **276** (ft)

6.2 Darcy Velocity Hydraulic Conductivity 6.6 Sampling Interval Mid Point of Sampling Interval

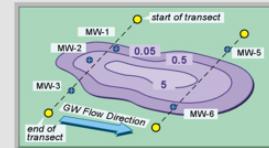
6.3 Hydraulic Conductivity Units

ft/d
Yes
Yes

6.4 Uniform Hydraulic Conductivity?

Hydraulic Conductivity **1.04E+02** (ft/d)
Hydraulic Gradient **2.80E-02** (ft/ft)

6.5 Uniform Hydraulic Gradient?



Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)	Plume Bottom (ft bgs)	Concentration (ug/L)			
		Top	Bottom			Constituent A			
						MtBE	Constituent B		
1 Start of Transect	0					0	0		
2 End of Transect	213					0	0		
3 MW-22	27	20	40	30	40	0.01			
4 MW-27S	30	20	40	30	40	1			
5 W-7	108	20	40	30	40	0.01			
6 W-5	168	20	40	30	40	0.01			
7 W-4	210	20	40	30	40	0.01			
8									
9									
10									
11									
12									
13									
14									
15									

7. CHOOSE GRID (OPTIONAL)

Current Grid

Number of rows **10**

Number of columns **7**

Refine Grid By

Refined Grid

1

10

1

7

8. SELECT CONSTITUENT FOR CALCULATIONS

MtBE

Constituent B

**Next Step:
Continue Data Input**

[Back to Transect Calculator Screen](#)

[Import MW Data](#)

[Export MW Data](#)

[See Conc/Flux Grids](#)

[Clear Screen](#)

[Paste Example](#)

[Restore Table Formatting](#)

[Print](#)

HELP

Grid Completion: Concentration

Transect 3 Time Period 2. No Interpolation Required (No Space Available in Grid for Interpolation).

Step 10: Interpolate Conc Horizontally		Export Conc Grid	Import Conc Grid	Next Step: View Hydraulic Conductivity Grid	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP	

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data.)

MtBE Concentrations (ug/L)

Distance from Edge of Transect (ft)

Start of Transect	MW-22	MW-27S	W-7	W-5	W-4	End of Transect
0.0	27.0	30.0	108.0	168.0	210.0	213.0
30.0	0	1.00E-02	1.00E+00	1.00E-02	1.00E-02	1.00E-02
31.0	0	1.00E-02	1.00E+00	1.00E-02	1.00E-02	1.00E-02
32.0	0	1.00E-02	1.00E+00	1.00E-02	1.00E-02	1.00E-02
33.0	0	1.00E-02	1.00E+00	1.00E-02	1.00E-02	1.00E-02
34.0	0	1.00E-02	1.00E+00	1.00E-02	1.00E-02	1.00E-02
35.0	0	1.00E-02	1.00E+00	1.00E-02	1.00E-02	1.00E-02
36.0	0	1.00E-02	1.00E+00	1.00E-02	1.00E-02	1.00E-02
37.0	0	1.00E-02	1.00E+00	1.00E-02	1.00E-02	1.00E-02
38.0	0	1.00E-02	1.00E+00	1.00E-02	1.00E-02	1.00E-02
39.0	0	1.00E-02	1.00E+00	1.00E-02	1.00E-02	1.00E-02

Grid Completion: Hydraulic Conductivity

Transect 3 Time Period 2. Constant Conductivity: No Interpolation Required

Step 10: Interpolate K Horizontally		Export K Grid	Import K Grid	Next Step: View Hydraulic Gradient Grid	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP	

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data.)

Hydraulic Conductivity (ft/d)

Distance from Edge of Transect (ft)

Start of Transect	MW-22	MW-27S	W-7	W-5	W-4	End of Transect
0.0	27.0	30.0	108.0	168.0	210.0	213.0
30.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
31.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
32.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
33.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
34.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
35.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
36.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
37.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
38.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
39.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
40.0						

Grid Completion: Hydraulic Gradient

Transect 3 Time Period 2. Constant Gradient: No Interpolation Required

Step 10: Interpolate i Horizontally		Export i Grid	Import i Grid	Next Step: Calculate Mass Flux	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP	

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

10.80 →

Top/Bottom of plume.
(Don't enter any
data.)

██████ →

Hydraulic Gradient (ft/ft)

Distance from Edge of Transect (ft)

Start of Transect	MW-22 27.0	MW-27S 30.0	W-7 108.0	W-5 168.0	W-4 210.0	End of Transect 213.0
0.0						
30.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
31.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
32.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
33.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
34.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
35.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
36.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
37.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
38.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
39.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
40.0						

Mass Flux Result

TOTAL MASS FLUX **3.47E-02** (g/day) **1.27E-02** (kg/yr)

Next Step: Mass Flux Summary	Run/View Uncertainty Analysis (Optional)	View Final Concentration Grid
Back to Data Grid	Print	HELP

Data Representation

1. Bold values represent calculations based on given values.
2. Values in italics represent calculations based on interpolation.
3. Black shaded cells represent the top and bottom of the plume.

SELECT TRANSECT TO VIEW Transect 3
SELECT TIME PERIOD TO VIEW 2

MtBE Mass Flux (g/day)

Distance from Edge of Transect (ft)

Start of Transect	MW-22 27.0	MW-27S 30.0	W-7 108.0	W-5 168.0	W-4 210.0	End of Transect 213.0
0.0						
30.0	0	1.24E-05	3.34E-03	5.69E-05	4.21E-05	1.86E-05
31.0	0	1.24E-05	3.34E-03	5.69E-05	4.21E-05	1.86E-05
32.0	0	1.24E-05	3.34E-03	5.69E-05	4.21E-05	1.86E-05
33.0	0	1.24E-05	3.34E-03	5.69E-05	4.21E-05	1.86E-05
34.0	0	1.24E-05	3.34E-03	5.69E-05	4.21E-05	1.86E-05
35.0	0	1.24E-05	3.34E-03	5.69E-05	4.21E-05	1.86E-05
36.0	0	1.24E-05	3.34E-03	5.69E-05	4.21E-05	1.86E-05
37.0	0	1.24E-05	3.34E-03	5.69E-05	4.21E-05	1.86E-05
38.0	0	1.24E-05	3.34E-03	5.69E-05	4.21E-05	1.86E-05
39.0	0	1.24E-05	3.34E-03	5.69E-05	4.21E-05	1.86E-05
40.0						

Time 3, Transect C-C' (2Q 2020)

Input Data and Grid

Site Location and I.D.: 26140
Description: 9901 Georgetown Pike, Great Falls, VA

4. CHOOSE TRANSECT Transect 3 **5. CHOOSE TIME PERIOD** 3

6. ENTER TRANSECT DATA

6.1 Distance of Transect 3 from Source → 276 (ft)
 6.2 Darcy Velocity Hydraulic Conductivity 6.6 Sampling Interval Mid Point of Sampling Interval

6.3 Hydraulic Conductivity Units ft/d
 6.4 Uniform Hydraulic Conductivity? Yes
 6.5 Uniform Hydraulic Gradient? Yes → Hydraulic Conductivity 1.04E+02 (ft/d)
 Hydraulic Gradient 2.80E-02 (ft/ft)

Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)	Plume Bottom (ft bgs)	Concentration (ug/L)			
						Top	Bottom	Constituent A	Constituent B
		MtBE						MtBE	MtBE
1 Start of Transect	0					0	0		
2 End of Transect	213					0	0		
3 MW-22	27	20	40	30	40	0	0		
4 MW-27S	30	20	40	30	40	0.4	0		
5 W-7	108	20	40	30	40	0	0		
6 W-5	168	20	40	30	40	0	0		
7 W-4	210	20	40	30	40	0	0		
8									
9									
10									
11									
12									
13									
14									
15									

7. CHOOSE GRID (OPTIONAL) Current Grid Number of rows 10
 Number of columns 7 → Refined Grid Refine Grid By 1 10
 1 7 → MtBE Constituent B

8. SELECT CONSTITUENT FOR CALCULATIONS

Next Step: Continue Data Input [Back to Transect Calculator Screen](#) [Import MW Data](#) [Export MW Data](#) [See Conc/Flux Grids](#)
[Clear Screen](#) [Paste Example](#) [Restore Table Formatting](#) [Print](#) [HELP](#)

Grid Completion: Concentration

Transect 3 Time Period 3. No Interpolation Required (No Space Available in Grid for Interpolation).

Step 10: Interpolate Conc Horizontally		Export Conc Grid		Import Conc Grid		Next Step: View Hydraulic Conductivity Grid		
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP				
MtBE Concentrations (ug/L)								
Distance from Edge of Transect (ft)								
Start of Transect	MW-22 0.0	MW-27S 27.0	W-7 30.0	W-5 108.0	W-4 168.0	End of Transect 210.0	213.0	
Depth in ft-bgs	30.0	0 0.00E+00 4.00E-01 0.00E+00 0.00E+00 0.00E+00 0	31.0	0 0.00E+00 4.00E-01 0.00E+00 0.00E+00 0.00E+00 0	32.0	0 0.00E+00 4.00E-01 0.00E+00 0.00E+00 0.00E+00 0	33.0	0 0.00E+00 4.00E-01 0.00E+00 0.00E+00 0.00E+00 0
	34.0	0 0.00E+00 4.00E-01 0.00E+00 0.00E+00 0.00E+00 0	35.0	0 0.00E+00 4.00E-01 0.00E+00 0.00E+00 0.00E+00 0	36.0	0 0.00E+00 4.00E-01 0.00E+00 0.00E+00 0.00E+00 0	37.0	0 0.00E+00 4.00E-01 0.00E+00 0.00E+00 0.00E+00 0
	38.0	0 0.00E+00 4.00E-01 0.00E+00 0.00E+00 0.00E+00 0	39.0	0 0.00E+00 4.00E-01 0.00E+00 0.00E+00 0.00E+00 0				

Data Input Instructions
 Enter value directly.
 Value calculated by model (Don't enter any data)

10.80 → Enter value directly.
 (Values in italics represent interpolated values.)
 Top/Bottom of plume.
 (Don't enter any data.)

Grid Completion: Hydraulic Conductivity

Transect 3 Time Period 3. Constant Conductivity: No Interpolation Required

Step 10: Interpolate K Horizontally		Export K Grid	Import K Grid	Next Step: View Hydraulic Gradient Grid	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP	

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data).

Hydraulic Conductivity (ft/d)

Distance from Edge of Transect (ft)

Start of Transect	MW-22 27.0	MW-27S 30.0	W-7 108.0	W-5 168.0	W-4 210.0	End of Transect
0.0						
30.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
31.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
32.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
33.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
34.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
35.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
36.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
37.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
38.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
39.0	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
40.0						

Grid Completion: Hydraulic Gradient

Transect 3 Time Period 3. Constant Gradient: No Interpolation Required

Step 10: Interpolate i Horizontally		Export i Grid	Import i Grid	Next Step: Calculate Mass Flux	
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP	

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data).

Hydraulic Gradient (ft/ft)

Distance from Edge of Transect (ft)

Start of Transect	MW-22 27.0	MW-27S 30.0	W-7 108.0	W-5 168.0	W-4 210.0	End of Transect
0.0						
30.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
31.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
32.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
33.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
34.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
35.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
36.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
37.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
38.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
39.0	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02
40.0						

Mass Flux Result

TOTAL MASS FLUX **1.34E-02** (g/day) **4.88E-03** (kg/yr)

Data Representation

1. Bold values represent calculations based on given values.
2. Values in italics represent calculations based on interpolation.
3. Black shaded cells represent the top and bottom of the plume.

[Next Step: Mass Flux Summary](#)

[Run/View Uncertainty Analysis \(Optional\)](#)

[View Final Concentration Grid](#)

[Back to Data Grid](#)

[Print](#)

[HELP](#)

SELECT TRANSECT TO VIEW

Transect 3

SELECT TIME PERIOD TO VIEW

3

MtBE Mass Flux (g/day)

Distance from Edge of Transect (ft)

Start of Transect	MW-22 27.0	MW-27S 30.0	W-7 108.0	W-5 168.0	W-4 210.0	End of Transect
-------------------	----------------------	-----------------------	---------------------	---------------------	---------------------	-----------------

Depth in ft bgs	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0
30.0	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0
31.0	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0
32.0	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0
33.0	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0
34.0	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0
35.0	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0
36.0	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0
37.0	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0
38.0	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0
39.0	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0
40.0	0	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0

Time 1, Transect D-D' (Last Sampling Event Before Groundwater Recovery System Start)

Input Data and Grid

Site Location and I.D.: 26140
Description: 99001 Georgetown Pike, Great Falls, VA

Data Input Instructions

- Enter value directly.
- Model calculated by model (Don't enter any data)

4. CHOOSE TRANSECT Transect 1 | **5. CHOOSE TIME PERIOD** 1

6. ENTER TRANSECT DATA

6.1 Distance of Transect 1 from Source → 10 (ft)

6.2 Darcy Velocity Hydraulic Conductivity 6.6 Sampling Interval Mid Point of Sampling Interval

6.3 Hydraulic Conductivity Units ft/d
6.4 Uniform Hydraulic Conductivity? No
6.5 Uniform Hydraulic Gradient? No

Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)	Plume Bottom (ft bgs)	Hydraulic Conductivity (ft/d)	Hydraulic Gradient (ft/ft)	Concentration (ug/L)	
		Top	Bottom					Constituent A	Constituent B
1	Start of Transect	0						0	0
2	End of Transect	30						0	0
3	MW-10	10	20	40	30	60	10.8	0.007	0.5
4	MW-24	11	50	60	30	60	8.1	0.007	21
5	MW-23D	12	90	100	90	100	5	0.004	10000
6	MW-X	1	20	100	30	100	7.6	0.006	0
7	MW-Y	29	20	100	30	100	7.6	0.006	0
8									
9									
10									
11									
12									
13									
14									
15									

7. CHOOSE GRID (OPTIONAL) Current Grid 10 x 7 | Refine Grid By 10 x 7 | Refined Grid 10 x 7

8. SELECT CONSTITUENT FOR CALCULATIONS

Constituent A Constituent B

Next Step: Continue Data Input

[Back to Transect Calculator Screen](#) | [Import MW Data](#) | [Export MW Data](#) | [See Conc/Flux Grids](#)

[Clear Screen](#) | [Paste Example](#) | [Restore Table Formatting](#) | [Print](#) | [HELP](#)

Grid Completion: Concentration

Transect 1 Time Period 1. Vertical Interpolation: Log Horizontal Interpolation: Log

Step 10: Interpolate Conc Horizontally		Export Conc Grid		Import Conc Grid		Next Step: Interpolate Hydraulic Conductivity Grid							
Back to Data Input		Back to Conc Grid		Back to K Grid		Print HELP							
Constituent A Concentrations (ug/L)													
Distance from Edge of Transect (ft)													
Start of Transect	MW-X	MW-10	MW-24	MW-23D	MW-Y	End of Transect							
0.0	1.0	10.0	11.0	12.0	29.0	30.0							
Depth in ft-bgs	30.0	0	0.00E+00	5.00E-01	2.10E+01	0.00E+00	0						
	37.0	0	0.00E+00	5.00E-01	2.10E+01	0.00E+00	0						
	44.0	0	0.00E+00	5.00E-01	2.10E+01	0.00E+00	0						
	51.0	0	0.00E+00	5.00E-01	2.10E+01	0.00E+00	0						
	58.0	0	0.00E+00			0.00E+00	0						
	65.0	0	0.00E+00			0.00E+00	0						
	72.0	0	0.00E+00			0.00E+00	0						
	79.0	0	0.00E+00			0.00E+00	0						
	86.0	0	0.00E+00			0.00E+00	0						
	93.0	0	0.00E+00		1.00E+04	0.00E+00	0						
	100.0												

Grid Completion: Hydraulic Conductivity

Transect 1 Time Period 1. Nearest Neighbor Interpolation

Step 10: Interpolate K Horizontally		Export K Grid		Import K Grid		Next Step: Interpolate Hydraulic Gradient Grid	
Back to Data Input		Back to Conc Grid		Back to K Grid		Print	HELP

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data.)

Hydraulic Conductivity (ft/d)

Distance from Edge of Transect (ft)

Start of Transect	MW-X 1.0	MW-10 10.0	MW-24 11.0	MW-23D 12.0	MW-Y 29.0	End of Transect 30.0
0.0						
30.0	7.60E+00	7.60E+00	1.08E+01	1.08E+01		7.60E+00
37.0	7.60E+00	7.60E+00	1.08E+01	1.08E+01		7.60E+00
44.0	7.60E+00	7.60E+00	8.10E+00	8.10E+00		7.60E+00
51.0	7.60E+00	7.60E+00	8.10E+00	8.10E+00		7.60E+00
58.0	7.60E+00	7.60E+00				7.60E+00
65.0	7.60E+00	7.60E+00				7.60E+00
72.0	7.60E+00	7.60E+00				7.60E+00
79.0	7.60E+00	7.60E+00				7.60E+00
86.0	7.60E+00	7.60E+00				7.60E+00
93.0	7.60E+00	7.60E+00		5.00E+00		7.60E+00
100.0						

Grid Completion: Hydraulic Gradient

Transect 1 Time Period 1. Vertical Interpolation: Linear Horizontal Interpolation: Linear

Step 10: Interpolate i Horizontally		Export i Grid		Import i Grid		Next Step: Calculate Mass Flux	
Back to Data Input		Back to Conc Grid		Back to K Grid		Print	HELP

Data Input Instructions

Enter value directly.
(Values in
italics represent
interpolated values.)

Top/Bottom of plume.
(Don't enter any
data.)

Hydraulic Gradient (ft/ft)

Distance from Edge of Transect (ft)

Start of Transect	MW-X 1.0	MW-10 10.0	MW-24 11.0	MW-23D 12.0	MW-Y 29.0	End of Transect 30.0
0.0						
30.0	6.00E-03	6.00E-03	7.00E-03	7.00E-03		6.00E-03
37.0	6.00E-03	6.00E-03	7.00E-03	7.00E-03		6.00E-03
44.0	6.00E-03	6.00E-03	7.00E-03	7.00E-03		6.00E-03
51.0	6.00E-03	6.00E-03	7.00E-03	7.00E-03		6.00E-03
58.0	6.00E-03	6.00E-03				6.00E-03
65.0	6.00E-03	6.00E-03				6.00E-03
72.0	6.00E-03	6.00E-03				6.00E-03
79.0	6.00E-03	6.00E-03				6.00E-03
86.0	6.00E-03	6.00E-03				6.00E-03
93.0	6.00E-03	6.00E-03		4.00E-03		6.00E-03
100.0						

Mass Flux Result

TOTAL MASS FLUX **3.58E-01** (g/day) **1.31E-01** (kg/yr)

Data Representation

1. Bold values represent calculations based on given values.
2. Values in italics represent calculations based on interpolation.
3. Black shaded cells represent the top and bottom of the plume.

Next Step: Mass Flux Summary

Run/View Uncertainty Analysis (Optional)

[View Final Concentration Grid](#)

[Back to Data Grid](#)

[Print](#)

HELP

SELECT TRANSECT TO VIEW

Transect 1

SELECT TIME PERIOD TO VIEW

1

Constituent A Mass Flux (g/day)

Distance from Edge of Transect (ft)

Start of Transect	MW-X	MW-10	MW-24	MW-23D	MW-Y	End of Transect
0.0	1.0	10.0	11.0	12.0	29.0	30.0
30.0	0	0.00E+00	3.75E-05	3.15E-04		0.00E+00
37.0	0	0.00E+00	3.75E-05	3.15E-04		0.00E+00
44.0	0	0.00E+00	2.81E-05	2.36E-04		0.00E+00
51.0	0	0.00E+00	2.81E-05	2.36E-04		0.00E+00
58.0	0	0.00E+00				0.00E+00
65.0	0	0.00E+00				0.00E+00
72.0	0	0.00E+00				0.00E+00
79.0	0	0.00E+00				0.00E+00
86.0	0	0.00E+00				0.00E+00
93.0	0	0.00E+00		3.57E-01	0.00E+00	0
100.0						

Transect Calculator: Mass Flux Summary

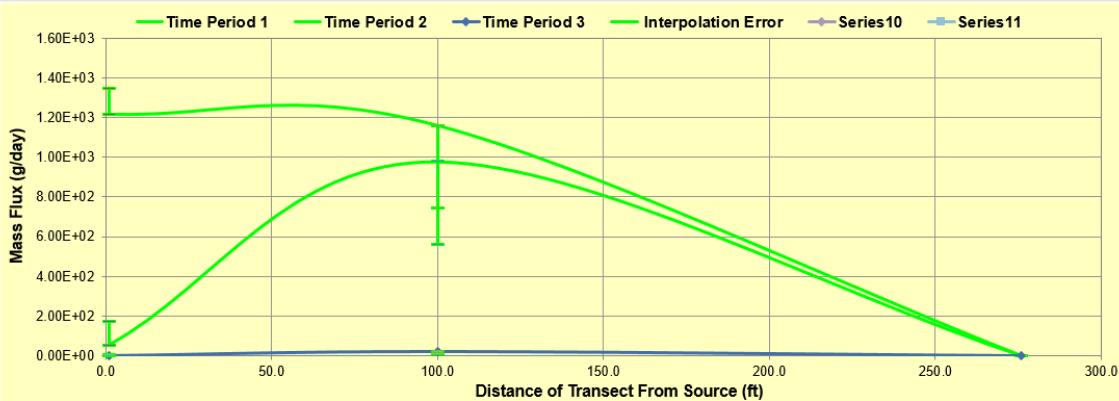
Version 2.01

Site Location and I.D.: 26140
Description: 9901 Georgetown Pike, Great Falls, VA

Mass Flux Summary for MtBE

Transect	Distance from Source (ft)	Mass Flux (g/day)				
		Time Period 1	Time Period 2	Time Period 3	Time Period 4	Time Period 5
Transect 1	1	1.22E+03	5.45E+01	3.44E-01		
Transect 2	100	1.16E+03	9.79E+02	2.00E+01		
Transect 3	276	1.26E+00	3.47E-02	1.34E-02		
Transect 4						
Transect 5						

- 85th percentile from Advanced Uncertainty Analysis
- Maximum of the three Toolkit interpolation schemes
- Value using selected interpolation schemes
- Minimum of the three Toolkit interpolation schemes
- 15th percentile from Advanced Uncertainty Analysis



Next Step:
Save File

[View Flux Result](#)

[View Conc Grid](#)

[Print](#)

HELP

[Return To Toolkit Main Screen](#)

[Return To Transect Main Screen](#)

Time 2, Transect D-D' (2Q 2020)

Input Data and Grid

Site Location and I.D.:		26140 99001 Georgetown Pike, Great Falls, VA	Data Input Instructions																																																																																																																																																																					
			<input type="checkbox"/> Enter value directly. <input checked="" type="checkbox"/> Value calculated by model (Don't enter any data)																																																																																																																																																																					
4. CHOOSE TRANSECT		Transect 1	5. CHOOSE TIME PERIOD	2																																																																																																																																																																				
6. ENTER TRANSECT DATA																																																																																																																																																																								
6.1 Distance of Transect 1 from Source		10 (ft)																																																																																																																																																																						
6.2 <input type="radio"/> Darcy Velocity <input checked="" type="radio"/> Hydraulic Conductivity		6.6	<input checked="" type="radio"/> Sampling Interval	<input type="radio"/> Mid Point of Sampling Interval																																																																																																																																																																				
6.3 Hydraulic Conductivity Units		ft/d																																																																																																																																																																						
6.4 Uniform Hydraulic Conductivity?		No																																																																																																																																																																						
6.5 Uniform Hydraulic Gradient?		No																																																																																																																																																																						
<table border="1"> <thead> <tr> <th rowspan="2">Monitoring Point</th> <th rowspan="2">Distance of Monitoring Point from Start of Transect (ft)</th> <th colspan="2">Sampling Interval (ft bgs)</th> <th rowspan="2">Plume Top (ft bgs)</th> <th rowspan="2">Plume Bottom (ft bgs)</th> <th rowspan="2">Hydraulic Conductivity (ft/d)</th> <th rowspan="2">Hydraulic Gradient (ft/ft)</th> <th colspan="2">Concentration (ug/L)</th> </tr> <tr> <th>Top</th> <th>Bottom</th> <th>Constituent A</th> <th>Constituent B</th> </tr> </thead> <tbody> <tr><td>Start of Transect</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>End of Transect</td><td>30</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0</td></tr> <tr><td>MW-10</td><td>10</td><td>20</td><td>40</td><td>30</td><td>60</td><td>10.8</td><td>0.007</td><td>0.01</td><td></td></tr> <tr><td>MW-24</td><td>11</td><td>50</td><td>60</td><td>30</td><td>60</td><td>8.1</td><td>0.007</td><td>0.01</td><td></td></tr> <tr><td>MW-23D</td><td>12</td><td>90</td><td>100</td><td>90</td><td>100</td><td>5</td><td>0.004</td><td>0.01</td><td></td></tr> <tr><td>MW-X</td><td>1</td><td>20</td><td>100</td><td>30</td><td>100</td><td>7.6</td><td>0.006</td><td>0</td><td></td></tr> <tr><td>MW-Y</td><td>29</td><td>20</td><td>100</td><td>30</td><td>100</td><td>7.6</td><td>0.006</td><td>0</td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>13</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>14</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>15</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>					Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)	Plume Bottom (ft bgs)	Hydraulic Conductivity (ft/d)	Hydraulic Gradient (ft/ft)	Concentration (ug/L)		Top	Bottom	Constituent A	Constituent B	Start of Transect	0							0	0	End of Transect	30							0	0	MW-10	10	20	40	30	60	10.8	0.007	0.01		MW-24	11	50	60	30	60	8.1	0.007	0.01		MW-23D	12	90	100	90	100	5	0.004	0.01		MW-X	1	20	100	30	100	7.6	0.006	0		MW-Y	29	20	100	30	100	7.6	0.006	0		8										9										10										11										12										13										14										15									
Monitoring Point	Distance of Monitoring Point from Start of Transect (ft)	Sampling Interval (ft bgs)		Plume Top (ft bgs)			Plume Bottom (ft bgs)	Hydraulic Conductivity (ft/d)					Hydraulic Gradient (ft/ft)	Concentration (ug/L)																																																																																																																																																										
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7. CHOOSE GRID (OPTIONAL)		Current Grid Number of rows 10 Number of columns 7	Refine Grid By 1 10 1 7	8. SELECT CONSTITUENT FOR CALCULATIONS <input checked="" type="radio"/> Constituent A <input type="radio"/> Constituent B																																																																																																																																																																				
Next Step: Continue Data Input		Back to Transect Calculator Screen	Import MW Data	Export MW Data	See Conc/Flux Grids																																																																																																																																																																			
		Clear Screen	Paste Example	Restore Table Formatting	Print	HELP																																																																																																																																																																		

Grid Completion: Concentration

Transect 1 Time Period 2. Vertical Interpolation: Log Horizontal Interpolation: Log

Step 10: Interpolate Conc Horizontally		Export Conc Grid	Import Conc Grid	Next Step: Interpolate Hydraulic Conductivity Grid			
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP			
Constituent A Concentrations (ug/L) Distance from Edge of Transect (ft)							
Start of Transect	MW-X 1.0	MW-10 10.0	MW-24 11.0	MW-23D 12.0	MW-Y 29.0	End of Transect	
0.0							
30.0	0	0.00E+00	1.00E-02	1.00E-02		0.00E+00	0
37.0	0	0.00E+00	1.00E-02	1.00E-02		0.00E+00	0
44.0	0	0.00E+00	1.00E-02	1.00E-02		0.00E+00	0
51.0	0	0.00E+00	1.00E-02	1.00E-02		0.00E+00	0
58.0	0	0.00E+00				0.00E+00	0
65.0	0	0.00E+00				0.00E+00	0
72.0	0	0.00E+00				0.00E+00	0
79.0	0	0.00E+00				0.00E+00	0
86.0	0	0.00E+00				0.00E+00	0
93.0	0	0.00E+00		1.00E-02		0.00E+00	0
100.0							

Data Input Instructions

Enter value directly.
(Values in italics represent interpolated values.)

Top/Bottom of plume.
(Don't enter any data).

Grid Completion: Hydraulic Conductivity

Transect 1 Time Period 2. Nearest Neighbor Interpolation

Step 10: Interpolate K Horizontally		Export K Grid		Import K Grid		Next Step: Interpolate Hydraulic Gradient Grid
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP		

Data Input Instructions

10.80	→	Enter value directly. (Values in italics represent interpolated values.)
[]	→	Top/Bottom of plume. (Don't enter any data.)

Hydraulic Conductivity (ft/d)

Distance from Edge of Transect (ft)

Start of Transect	MW-X	MW-10	MW-24	MW-23D	MW-Y	End of Transect
0.0	1.0	10.0	11.0	12.0	29.0	30.0
30.0	<i>7.60E+00</i>	<i>7.60E+00</i>	<i>1.08E+01</i>	<i>1.08E+01</i>		<i>7.60E+00</i>
37.0	<i>7.60E+00</i>	<i>7.60E+00</i>	<i>1.08E+01</i>	<i>1.08E+01</i>		<i>7.60E+00</i>
44.0	<i>7.60E+00</i>	<i>7.60E+00</i>	<i>8.10E+00</i>	<i>8.10E+00</i>		<i>7.60E+00</i>
51.0	<i>7.60E+00</i>	<i>7.60E+00</i>	<i>8.10E+00</i>	<i>8.10E+00</i>		<i>7.60E+00</i>
58.0	<i>7.60E+00</i>	<i>7.60E+00</i>				<i>7.60E+00</i>
65.0	<i>7.60E+00</i>	<i>7.60E+00</i>				<i>7.60E+00</i>
72.0	<i>7.60E+00</i>	<i>7.60E+00</i>				<i>7.60E+00</i>
79.0	<i>7.60E+00</i>	<i>7.60E+00</i>				<i>7.60E+00</i>
86.0	<i>7.60E+00</i>	<i>7.60E+00</i>				<i>7.60E+00</i>
93.0	<i>7.60E+00</i>	<i>7.60E+00</i>			<i>5.00E+00</i>	<i>7.60E+00</i>
100.0						

Grid Completion: Hydraulic Gradient

Transect 1 Time Period 2. Vertical Interpolation: Linear Horizontal Interpolation: Linear

Step 10: Interpolate i Horizontally		Export i Grid		Import i Grid		Next Step: Calculate Mass Flux
Back to Data Input	Back to Conc Grid	Back to K Grid	Print	HELP		

Data Input Instructions

10.80	→	Enter value directly. (Values in italics represent interpolated values.)
[]	→	Top/Bottom of plume. (Don't enter any data.)

Hydraulic Gradient (ft/ft)

Distance from Edge of Transect (ft)

Start of Transect	MW-X	MW-10	MW-24	MW-23D	MW-Y	End of Transect
0.0	1.0	10.0	11.0	12.0	29.0	30.0
30.0	<i>6.00E-03</i>	<i>6.00E-03</i>	<i>7.00E-03</i>	<i>7.00E-03</i>		<i>6.00E-03</i>
37.0	<i>6.00E-03</i>	<i>6.00E-03</i>	<i>7.00E-03</i>	<i>7.00E-03</i>		<i>6.00E-03</i>
44.0	<i>6.00E-03</i>	<i>6.00E-03</i>	<i>7.00E-03</i>	<i>7.00E-03</i>		<i>6.00E-03</i>
51.0	<i>6.00E-03</i>	<i>6.00E-03</i>	<i>7.00E-03</i>	<i>7.00E-03</i>		<i>6.00E-03</i>
58.0	<i>6.00E-03</i>	<i>6.00E-03</i>				<i>6.00E-03</i>
65.0	<i>6.00E-03</i>	<i>6.00E-03</i>				<i>6.00E-03</i>
72.0	<i>6.00E-03</i>	<i>6.00E-03</i>				<i>6.00E-03</i>
79.0	<i>6.00E-03</i>	<i>6.00E-03</i>				<i>6.00E-03</i>
86.0	<i>6.00E-03</i>	<i>6.00E-03</i>			<i>6.00E-03</i>	<i>6.00E-03</i>
93.0	<i>6.00E-03</i>	<i>6.00E-03</i>			<i>4.00E-03</i>	<i>6.00E-03</i>
100.0						

Mass Flux Result

TOTAL MASS FLUX **3.51E-06** (g/day) **1.28E-06** (kg/yr)

Data Representation

1. Bold values represent calculations based on given values.
2. Values in italics represent calculations based on interpolation.
3. Black shaded cells represent the top and bottom of the plume.

Next Step: Mass Flux Summary

Run/View Uncertainty Analysis (Optional)

[View Final Concentration Grid](#)

[Back to Data Grid](#)

[Print](#)

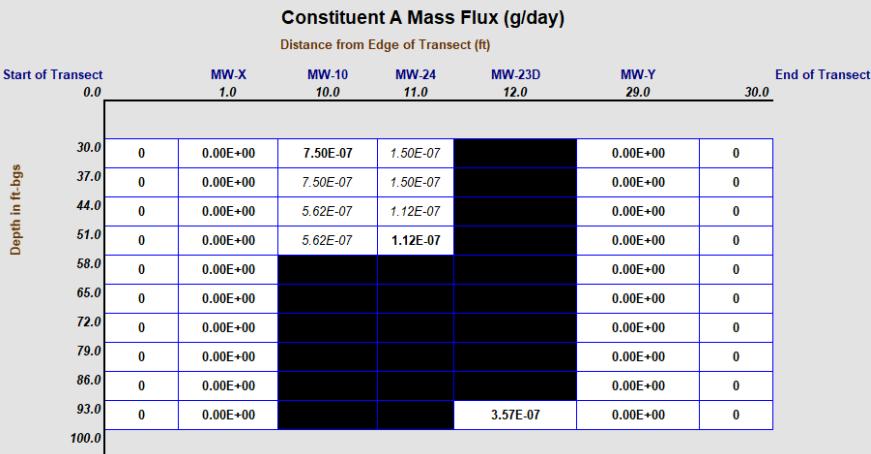
[HELP](#)

SELECT TRANSECT TO VIEW

Transect 1

2

SELECT TIME PERIOD TO VIEW



Transect Calculator: Mass Flux Summary

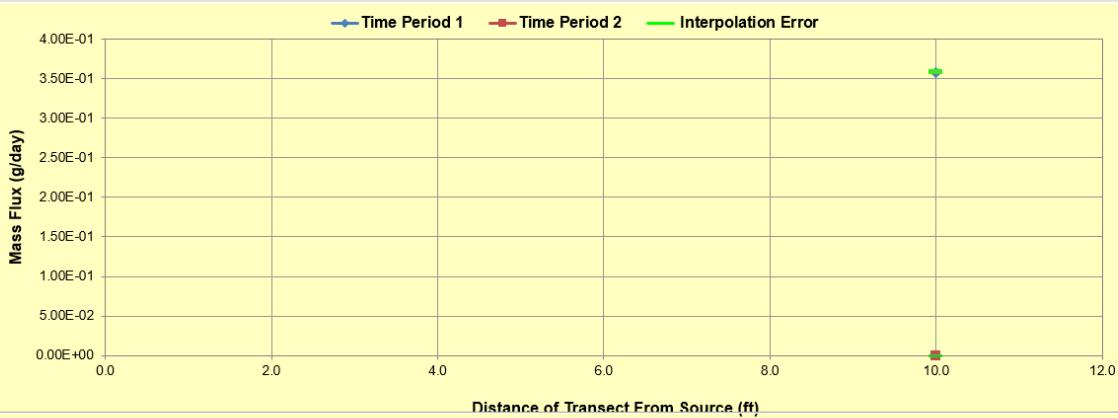
Version 2.01

Site Location and I.D.: 26140
Description: 99001 Georgetown Pike, Great Falls, VA

Mass Flux Summary for Constituent A

Transect	Distance from Source (ft)	Mass Flux (g/day)				
		Time Period 1	Time Period 2	Time Period 3	Time Period 4	Time Period 5
Transect 1	10	3.58E-01	3.51E-06			
Transect 2						
Transect 3						
Transect 4						
Transect 5						

- 85th percentile from Advanced Uncertainty Analysis
- Maximum of the three Toolkit interpolation schemes
- Value using selected interpolation schemes
- Minimum of the three Toolkit interpolation schemes
- 15th percentile from Advanced Uncertainty Analysis



Next Step:
Save File

[View Flux Result](#)

[View Conc Grid](#)

[Print](#)

[HELP](#)

[Return To Toolkit Main Screen](#)

[Return To Transect Main Screen](#)

Potential Receptor Impact Estimate

300 gallons per day (average)

Receptor Impact Worksheet - Wells

Version 2.01

Site Location and I.D.: 26140
Description: 9901 Georgetown Pike, Great Falls, VA

Data Input Instructions:

10.80 → Enter value directly.

10.80 → Value calculated by model.
(Don't enter any data.)

1. CONSTITUENT CONCENTRATION

MtBE Constituent B

Transect of Interest
Time Period of Interest

Transect 3
3

Discharge Rate for Each Supply Well

3.00E+02 gpd

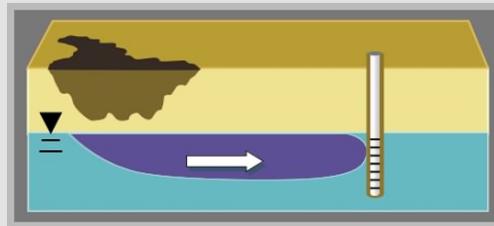
Total Mass Flux (Calculated From Mass Flux Transect Method)

1.34E-02 (g/day)

Maximum Constituent Concentration in Water

1.18E-02 (mg/L)

Extracted from Supply Well



2. CAPTURE ZONE (OPTIONAL)

Number of Supply Well(s)
Aquifer Thickness

3
30 (ft)

Darcy Velocity for Transect

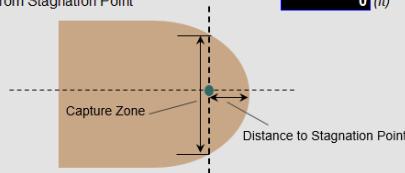
2.91E+00 (ft/d)

Capture Zone of Supply Well(s)

1 (ft)

Distance of Supply Well from Stagnation Point

0 (ft)



[Return To Main Screen](#)

[Clear Screen](#)

[Paste Example](#)

[Save File](#)

[Load File](#)

[Print](#)

[HELP](#)

20 gallons per minute (instantaneous)

Receptor Impact Worksheet - Wells

Version 2.01

Site Location and I.D.:

26140

Description:

9901 Georgetown Pike, Great Falls, VA

Data Input Instructions:

10.80 → Enter value directly.

10.80 → Value calculated by model.
(Don't enter any data.)

1. CONSTITUENT CONCENTRATION

MtBE Constituent B

Transect of Interest
Time Period of Interest

Transect 3
3

Discharge Rate for Each Supply Well

2.00E+01 gpm

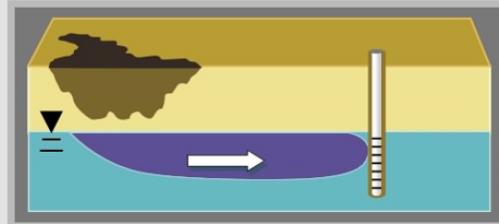
Total Mass Flux (Calculated From Mass Flux Transect Method)

1.34E-02 (g/day)

Maximum Constituent Concentration in Water

Extracted from Supply Well

1.23E-04 (mg/L)



2. CAPTURE ZONE (OPTIONAL)

Number of Supply Wells
Aquifer Thickness

3
30 (ft)

Darcy Velocity for Transect

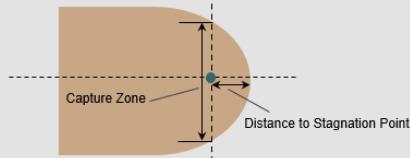
2.91E+00 (ft/d)

Capture Zone of Supply Well(s)

66 (ft)

Distance of Supply Well from Stagnation Point

21 (ft)



[Return To Main Screen](#)

[Clear Screen](#)

[Paste Example](#)

[Save File](#)

[Load File](#)

[Print](#)

[HELP](#)